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PROCLAMATION

93-524
COSMETOLOGY MONTH

Whereas, October has been recognized as National Cosmetology Month, which will be observed across the nation by the 40,000 members of the National Cosmetology Association; and

Whereas, activities of the National Cosmetology Association benefit community charities and enhance the appearance of our greatest resource--our people; and

Whereas, the association continues to maintain the highest professional skill through educational programs and the latest scientific development, techniques, and products; and

Whereas, the best interest of the people will always receive the highest consideration in the conduct of this association; and

Whereas, the 1993 theme of National Cosmetology Month, "Looking Your Best...Your Key to Success," promotes self-worth and personal development;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 1993 as COSMETOLOGY MONTH in Illinois.

Issued by the Governor November 2, 1993.

Filed with the Secretary of State November 10, 1993.

93-525
CAREGIVERS WEEK

Whereas, the State of Illinois has traditionally honored individuals who are caring for an older adult by observing Caregivers Week; and

Whereas, addressing the needs of the older population is not simply a family issue, but a personal issue which affects all citizens due to current demographic trends and the growing number of working family caregivers; and

Whereas family caregivers now provide 80 percent of care to the aged, and the State of Illinois is actively involved in assisting families by building partnerships in the public and private sectors in response to changing demographics; and

Whereas, the typical family caregiver provides care for their elderly relative, while sorting out the many roles that they have--such as caregiver, adult child, spouse, parent--not to mention full-time employee with another whole set of concerns and responsibilities;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 21-27, 1993, as CAREGIVERS WEEK in Illinois and I urge all citizens to join with me in recognizing these invaluable caregivers.

Issued by the Governor November 3, 1993.

Filed with the Secretary of State November 10, 1993.

93-526
INTERNATIONAL HOUSEWARES WEEK

Whereas, the Board of Directors of the National Housewares Manufacturers Association has chosen our state for its 97th International Housewares Show; and

Whereas, Illinois has hosted the nation's premier housewares show since 1928; and

Whereas, the American housewares industry represents more than $51 billion in annual retail sales and is actively involved in export activities; and

Whereas, the National Housewares Manufacturers Association's 1994 International Housewares Show is the largest U.S. marketplace for buying and selling housewares products; and

Whereas, the world's largest "housewares-only" exposition brings 12,000 American buyers and more than 3,000 buyers from other countries to Illinois to purchase goods from nearly 1,800 housewares exhibitors; and

Whereas, the International Housewares Show attracts more than 50,000 people to Illinois;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim January 16-19, 1994, as INTERNATIONAL HOUSEWARES WEEK in Illinois and welcome the International Housewares Show to our state.

Issued by the Governor November 3, 1993.

Filed with the Secretary of State November 10, 1993.

93-527
SESQUICENTENNIAL CELEBRATION DAY

Whereas, the Archdiocese of Chicago has played a vital role in the community for 150 years; and

Whereas, on November 9, 1993, the Archdiocese of Chicago will begin a year-long celebration of its sesquicentennial year of service to the city of Chicago; and

Whereas, the sesquicentennial celebration will help promote unity among the many different communities in Chicago and reinforce the Church's position in the spiritual, cultural and social lives of its members; and

Whereas, the year-long celebration will pay tribute to the many individuals who, over the past 150 years, have made possible the long-time steadfastness of the Archdiocese;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 9, 1993, as SESQUICENTENNIAL CELEBRATION DAY in Illinois.

Issued by the Governor November 4, 1993.
Filed with the Secretary of State November 10, 1993.

93-528
ACCELERATED, RISING TO THE CHALLENGE, AND MIDDLE LEVEL SCHOOLS DAY

Whereas, the Illinois Network of Accelerated Schools was established in January 1989; and

Whereas, in August 1991, the Illinois Schools: Rising To The Challenge Network was established; and

Whereas, the principles of the Illinois Middle-Level Education Initiative: Right In The Middle were adopted by the State Board of Education in June 1991; and

Whereas, these networks support programs and ideas that address the needs of all students. Furthermore, their educational initiatives create partnerships among the schools, families, communities, the State Board of Education, the Educational Service Centers, and institutions of higher education; and

Whereas, the guiding principles of these initiatives improve the personal, social, and academic growth of their students as future productive citizens of our state and nation;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 17, 1993, as ACCELERATED, RISING TO THE CHALLENGE, AND MIDDLE LEVEL SCHOOLS DAY in Illinois.

Issued by the Governor November 5, 1993.
Filed with the Secretary of State November 10, 1993.

93-529
AMERICAN HISTORY MONTH

Whereas, on July 17, 1959, the 71st General Assembly specified that the month of February of each year be designated as American History Month in the State of Illinois, a month set apart to promote the study of American history; and

Whereas, the United States is one of the greatest industrial countries of the world. Its mineral and agricultural resources are tremendous, and it has nearly all the resources necessary for self-sufficiency; and

Whereas, the United States has been referred to as the "melting pot" of nations, as its population represents an influx of people from countries throughout the world; and

Whereas, the government of the United States is that of a federal republic, set up by the Constitution adopted by the Federal Constitutional Convention of 1787; and

Whereas, Americans should reflect upon their great heritage through the study of American history;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim February 1994 as AMERICAN HISTORY MONTH in Illinois. I urge all citizens to take note of our nation's heritage and growth and the individuals who have contributed so much to American history.

Issued by the Governor November 5, 1993.
Filed with the Secretary of State November 10, 1993.

93-530
THANKSGIVING DAY

"My country 'tis of thee, Sweet land of liberty, of thee I sing. Land where our fathers died, land of the Pilgrim's pride. From every mountainside, let freedom ring." "America," Samuel Francis Smith, 1832

Whereas, the Pilgrims carried on an ancient tradition when they held a Thanksgiving festival at Plymouth Colony in 1621. They were grateful for their survival and the absence of persecution; and

Whereas, America's first national Thanksgiving was proclaimed by the Continental Congress on November 1, 1777. George Washington made the first presidential proclamation for a Thanksgiving in 1789, in honor of the new Constitution; and

Whereas, Thanksgiving Day was first celebrated on a specific day in 1861 upon President Lincoln's request. All states now observe the last Thursday in November as a day of thanks; and

Whereas, we are still thankful today for our well-being and our environment of freedom, as the Pilgrims were, and Thanksgiving Day is anticipated with joy and cherished as one of the most beautiful expressions of the spirit of America;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 25, 1993, as THANKSGIVING DAY in Illinois.

Issued by the Governor November 5, 1993.
Filed with the Secretary of State November 10, 1993.

93-531
WINTER STORM PREPAREDNESS WEEK

Whereas, Illinois is subject to severe winter storms; and

Whereas, our best defense against winter storms is to be adequately prepared both at home and in the automobile; and

Whereas, the National Weather Service, the Illinois Emergency Management Agency, the Illinois State Police, the Illinois Department of Transportation, the Office of the State Fire Marshal, and the American Red Cross have developed a program that provides storm warnings, highway maintenance and safety, and

emergency sheltering; and

Whereas, volunteer agencies play an important role in providing aid to storm-displaced persons;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 15-19, 1993, as WINTER STORM PREPAREDNESS WEEK in Illinois and urge all citizens to take measures to ensure safety and protection during winter weather.

Issued by the Governor November 5, 1993.

Filed with the Secretary of State November 10, 1993.

ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

1) Heading of the Part: Rules for the Award and Monitoring of Trust Funds

2) Code Citation: 20 Ill. Adm. Code 1810

3)

Section Numbers:	Proposed Action:
1810.100	New Section
1810.110	New Section
1810.200	New Section
1810.210	New Section
1810.220	New Section
1810.230	New Section
1810.240	New Section
1810.250	New Section
1810.300	New Section
1810.400	New Section
1810.410	New Section
1010.420	New Section
1810.430	New Section
1810.440	New Section
1810.500	New Section
1810.510	New Section
1810.520	New Section
1810.530	New Section
1810.540	New Section
1810.550	New Section
1810.600	New Section
1810.610	New Section
1810.620	New Section
1810.700	New Section
1810.710	New Section
1810.720	New Section
1810.730	New Section
1810.800	New Section
1810.900	New Section
1810.910	New Section
1810.1000	New Section
1810.1010	New Section
1810.1020	New Section
1810.1100	New Section
1810.1110	New Section

4) Statutory Authority: Implementing and authorized by the Illinois Motor Vehicle Theft Prevention Act(20 ILCS 4005/1 et

seq.).

5) A Complete Description of the Subjects and Issues Involved: These rules establish guidelines for the award and receipt of Motor Vehicle Theft Prevention Trust Funds and for the permissible use of those Trust Funds.

6) Will this proposed rule replace an emergency rule currently in effect? No

7) Does this rulemaking contain an automatic repeal date? No

8) Does this proposed rule contain incorporations by reference? No

9) Are there any other proposed amendments pending on this part? No

10) Statement of Statewide Policy Objectives: These proposed rules are intended to ensure the most effective use and accountability for the expenditure of the Motor Vehicle Theft Prevention Funds by establishing uniform operating procedures for the application, award, receipt, expenditure, and use of such Funds. This rulemaking neither creates nor expands any state mandate on units of local government, school districts, or community college districts.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Comments on these proposed rules may be submitted in writing for a period of 45 days following publication of this notice. Comments should be submitted to:

Gerard Ramker, Program Director
Illinois Motor Vehicle Theft Prevention Council
c/o Illinois Criminal Justice Information Authority
120 South Riverside Plaza, Suite 1016
Chicago, Illinois 60606-3997
(312/793-8550)

12) Initial Regulatory Flexibility Analysis: This rulemaking does not create any mandates on small businesses. However, if a small business chooses to participate in the application process for Motor Vehicle Theft Prevention Trust Funds, it must follow these rules to receive an award of Trust Funds.

The full text of the Proposed Rules begins on the next page.

TITLE 20: CORRECTIONS, CRIMINAL JUSTICE AND LAW ENFORCEMENT
CHAPTER VI: ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

PART 1810
RULES FOR THE AWARD AND MONITORING OF TRUST FUNDS

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1810.110 Definitions

SUBPART B: AWARD CRITERIA AND PROCEDURES

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1810.210 Eligible Programs and Activities
1810.220 Award Process
1810.230 Award Document
1810.240 Special Conditions
1810.250 Modification or Amendment of the Award Agreement

SUBPART C: APPROVAL FOR PROGRAMMATIC OR BUDGET REVISIONS

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ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

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1810.900 Site Visits
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SUBPART J: SUSPENSIONS AND TERMINATION

Section
1810.1000 Suspension
1810.1010 Extension
1810.1020 Termination

SUBPART K: APPEALS

Section
1810.1100 Applicable Legal Guidelines
1810.1110 Appeal Procedures

AUTHORITY: Implementing and authorized by The Illinois Motor Vehicle Theft Prevention Act (20 ILCS 4005/1 et seq.).

SOURCE: Adopted at _____ Ill. Reg. _____, effective _____.

SUBPART A: GENERAL

ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

Section 1810.100 Applicability

The rules contained in this Part are applicable to Illinois Motor Vehicle Theft Prevention Council provision of financial support to eligible recipients to improve and support the administration of motor vehicle theft laws in Illinois.

Section 1810.110 Definitions

"Act" - the Illinois Motor Vehicle Theft Prevention Act (20 ILCS 4005/1 et seq.).

"Adverse Action" - Any or all of the following:

The suspension by the Executive Director of the performance of an award agreement for more than twenty-eight (28) days aggregated within a twelve month period, exclusive of any period of extension that may be granted.

The termination of an award agreement by the Executive Director.

The denial by the Executive Director of a request for a material revision to an award agreement.

"Authority" - the Illinois Criminal Justice Information Authority.

"Award" - financial support in the form of money, property, or services made available by the Council to an eligible recipient through the use of Illinois Motor Vehicle Theft Prevention Trust Funds.

"Award Agreement" - the award contract between the Council and an implementing entity whereby the Council provides financial support to carry out specified programs, services, or activities pursuant to the Act.

"Business Organization" - Any business entity or association of business entities duly authorized to conduct business in the State of Illinois.

"Chairman" - the Chairman of the Illinois Motor Vehicle Theft Prevention Council.

"Council" - the Illinois Motor Vehicle Theft Prevention

Council.

"Eligible Recipient" - A federal or state agency, unit of local government, corporation, neighborhood, community, or business organization entitled to receive Illinois Motor Vehicle Theft Prevention Trust Funds pursuant to the Act.

"Executive Director" - the Executive Director of the Illinois Criminal Justice Information Authority.

"Expendable Property" - tangible property other than nonexpendable property.

"Grant Review Committee" - the Grant Review Committee of the Illinois Motor Vehicle Theft Prevention Council.

"Implementing Entity" - the party seeking or designated to receive funds awarded by the Council pursuant to these rules.

"Nonexpendable Property" - tangible property having a useful life of more than one year and an acquisition cost of $300 or more per unit.

"Property" - property of any kind including real property. It may be tangible (having physical existence) or intangible (having no physical existence, such as patents, inventions, and copyrights).

"Trust Funds" - funds from the Illinois Motor Vehicle Theft Prevention Trust Fund established by the Act.

SUBPART B: AWARD CRITERIA AND PROCEDURES

Section 1810.200 Eligible Recipients

a) Awards can be made to federal and state agencies, units of local government, corporations, and neighborhood, community, and business organizations consistent with the Act.

b) To be eligible for an award under the Act, nongovernmental recipients must provide the Council, along with a program proposal, either of the following:

1) Proof of nonprofit status by presenting all of the following, when applicable:

A) A reference to the applicant organization's listing in the Internal Revenue Service's most recent list of tax-exempt organizations described in the Internal Revenue Code, Title 26 U.S.C.A. 501(c);

B) A copy of a currently valid Internal Revenue Service tax exemption letter,

C) A statement from the Illinois Department of Revenue, the Illinois Secretary of State, or the Illinois Attorney General certifying that the applicant organization has a current nonprofit status;

D) A certified copy of the organization's certificate of incorporation filed with the Illinois Secretary of State that clearly establishes nonprofit status, and a copy of the annual report required by the Illinois Attorney General or Secretary of State for the most recent year; or

2) Proof of authorized business activity in the State of Illinois by presenting a certified copy of a certificate of incorporation or other appropriate and necessary authorization to conduct business in Illinois filed with the State of Illinois or a unit of local government, a taxpayer identification number, and, when applicable, a copy of any annual report required by law for the most recent year.

c) The Council may require additional documentation to verify the legitimacy of a nongovernmental recipient. Such documentation may include, but is not limited to:

1) Any brochures or publications explaining the activities of the organization,

2) A copy of the recipient's Articles of Incorporation,

3) A copy of the recipient's By-laws, and

4) A copy of the recipient's Partnership Agreement.

Section 1810.210 Eligible Programs and Activities

The following programs and activities are eligible for funding:

a) Programs designed to reduce motor vehicle theft or to improve the administration of motor vehicle theft laws;

b) Programs designed to inform vehicle owners about the financial and social costs of motor vehicle theft and to suggest to those owners methods for preventing motor vehicle theft.

c) Programs, plans, activities, strategies, and projects consistent with the purposes of the Act.

Section 1810.220 Award Process

a) The Council will annually review the eligible purposes for the Trust Funds, and based upon an analysis of statistical data, empirical material, and the needs and requests of federal and state agencies, units of local government, corporations and neighborhood, community, or business organizations made pursuant to oral and written comment and testimony received at public meetings conducted pursuant to the Open Meetings Act (5 ILCS 120/1 et seq.), shall develop and approve a statewide motor vehicle theft prevention strategy.

b) The statewide strategy shall include:

1) An overview of the motor vehicle theft problem in Illinois including discussions of the nature and extent of the problem, current efforts to address the problem, resource needs, and areas of greatest need within the State; and

2) A description of the strategy for addressing the problem including the identification of eligible program areas.

c) Consistent with the statewide strategy, the Council shall solicit and negotiate program proposals from eligible recipients.

d) The Council shall give priority to those eligible recipients with the greatest need. To that end, and based upon the statewide strategy, the following

criteria shall be used to identify those eligible recipients with the greatest need as evidenced by:

1) An analysis of demographic, insurance, and appropriate criminal justice data;

2) Comments from the general public, federal, State, and local officials; and

3) Current research findings.

e) The Council shall, at a public meeting, designate programs, implementing entities, and amounts for funding which address one or more of the purposes consistent with the Act and the statewide strategy. The Council's decision to designate these proposed programs, implementing entities, and fund amounts shall be based upon equal consideration of the following factors:

1) The recommendations of the Executive Director;

2) Comments from the general public, federal, State and local officials;

3) The proven effectiveness of a similar program, by making a prudent assessment of the problem to be addressed by the proposed program;

4) The likelihood that a proposed program will achieve the desired objectives, by making a prudent assessment of the concepts and implementation plans included in a proposed program and by the results of any evaluations, previous tests, or demonstrations;

5) The availability of funds;

6) The overall cost of the proposed program;

7) The implementing entity's ability to effectively and efficiently carry out the program; and

8) The relation of the proposed program to and impact on other agencies, proposals or funded programs.

f) The Council shall direct the Executive Director to

enter into award agreements on behalf of the Council with those implementing entities designated by the Council pursuant to subsection (e) above, specifying the terms and conditions under which the programs, services, or activities are to be conducted and the Trust Funds are to be received.

g) If the Council or the Authority is the designated implementing entity, then the Executive Director shall document such terms and conditions, which, to become effective, must be accepted in writing by the Chairman or the Chairman of the Authority.

Section 1810.230 Award Document

The award document is the Award Agreement. It provides the basis for Council financial support to the implementing entity. The agreement shall incorporate the program proposal and budget, and, when fully executed, shall formalize the contractual relationship between the Council and implementing entity. The agreement shall also specify the terms and conditions of the award including, but not limited to, reporting requirements that reflect fiscal expenditures and progress toward program objectives, compliance with applicable laws and regulations, the prohibition of subcontracting or assignment of agreements without prior written approval of the Council, and the status of the implementing entity as an independent contractor.

Section 1810.240 Special Conditions

a) Special conditions shall be imposed by the Council to accomplish the purposes of the Act if the Council has need to impose such condition in order to fulfill its duties, agreements with other entities, or reasonably deems such to be in the best interests of the people of the State of Illinois.

b) Special conditions that are imposed at the time of the award will be included in the award agreement.

Section 1810.250 Modification or Amendment of the Award Agreement

a) Revisions or amendments to an award agreement shall begin on the effective date of the amendment and may be retroactive to a date agreed upon by the implementing entity and the Council.

b) Except as provided in Section 5 of this Subpart, no alteration, variation, modification, termination, addition to, or attempted waiver of any of the provisions of an award agreement shall be valid or binding unless in writing, dated, and signed by the parties, and attached to the original agreement. The parties shall agree to renegotiate, modify, or amend the award agreement should federal or state law or regulations require alteration of the award agreement.

SUBPART C: APPROVAL FOR PROGRAMMATIC OR BUDGET REVISIONS

Section 1810.300 Requests for Programmatic or Budget Revisions

a) Requests for programmatic or budget revisions shall be in writing and addressed to the Executive Director.

b) Response to the request shall be in writing and signed by the Executive Director or a designee and mailed within two weeks of receipt of the recipient's request.

c) The Executive Director shall approve any revision to an award agreement if such action is necessary to fulfill the terms of the agreement.

d) Material revisions shall be reported to the Council members at or before the next Council meeting. However, if a request by an implementing entity for a material revision to an award agreement is denied by the Executive Director, written notice of such denial shall be submitted to the implementing entity and members of the Council as soon as possible, but within seven (7) days.

SUBPART D: GENERAL PROVISIONS REGARDING AWARDS

Section 1810.400 Non-Supplanting

Illinois Motor Vehicle Theft Prevention Trust Funds are intended to increase the amount of revenue available to eligible recipients for specified activities. The Trust Funds may not be used to supplant other funds allocated or budgeted for such activities. Every recipient of Trust Funds must maintain a level of financial support for activities exclusive of any Trust Funds and capital expenditures that is equal to or greater than, the level existing prior to the receipt of the Trust Funds.

Section 1810.410 Personnel Administration

The personnel policies and procedures of an implementing entity shall be set forth in writing and be available for review by the Council. They shall reflect sound and prudent business judgement, and comply with all applicable State and federal laws and regulations.

Section 1810.420 Procurement Standards

All procurement transactions shall be conducted by the implementing entity in a manner to provide, to the maximum extent practicable, open and free competition. Implementing entities may use their own procurement regulations which reflect applicable State and local law, rules, and regulations, provided that all procurements made with Trust Funds minimally adhere to the Illinois State Purchasing Act (30 ILCS 505/1 et seq.).

Section 1810.430 Project Income

a) Project Income shall consist of all gross income (including the acquisition of forfeited property and assets) earned by the implementing entity during the award agreement period as a direct result of the award of Trust Funds, regardless of when the income is realized. "Direct result" shall be determined by the Executive Director and means a specific act or set of activities that are directly attributable to Trust Funds and which are directly related to the goals and objectives of the funded project. All project income earned during the award agreement period shall, regardless of when the income is realized, be retained by the implementing entity, and, in accordance with the agreement and with the prior approval of the Council, shall be added to the Trust Funds committed to the project by the Council and implementing entity and be used only to further eligible program goals or objectives.

b) Implementing entities shall account for all project income. Project income shall be reported in the fiscal reports required under Subpart G of this Part.

Section 1810.440 Publicity and Publications

Any publications of the results or accomplishments of any Council-funded activity or program shall clearly state: 1) the

percentage of the total cost of the program or project financed with Trust Funds; 2) the dollar amount of Trust Funds awarded for the project or program and 3) shall contain the following or comparable acknowledgement: "This project was supported by a grant from the Illinois Motor Vehicle Theft Prevention Council. The opinions and views expressed in this report are not necessarily those of the State of Illinois or the Illinois Motor Vehicle Theft Prevention Council." All implementing entities shall make this statement when issuing press releases, requests for proposals, bid solicitations, and other documents describing projects or programs funded in whole or in part with Trust Funds.

SUBPART E: COST PRINCIPLES

Section 1810.500 Applicable Legal Guidelines

The Council and all implementing entities shall operate in conformance with the following state laws and any rules, regulations and guidelines issued pursuant thereto: the Illinois Motor Vehicle Theft Prevention Act (20 ILCS 4005/1 et seq.); the Illinois Grant Funds Recovery Act (30 ILCS 705/1 et seq.); the Illinois Purchasing Act (30 ILCS 505/1 et seq.); the Drug Free Workplace Act (30 ILCS 505/1 et seq.); and the State Comptroller Act (15 ILCS 405/1 et seq.).

Section 1810.510 Trust Fund Disbursements

a) Cash Advances. Implementing entities shall normally be reimbursed for expenses incurred upon submission of a monthly fiscal report. The Council recognizes that in some instances the implementing entity may not possess sufficient resources to support the program described in the award agreement on a reimbursable basis and that individual programs may require substantial start-up costs. Consequently, implementing entities may request a cash advance to cover the initial period of the agreement. Such requests must be in writing to the Executive Director within thirty (30) days prior to the anticipated start date of the funded program and should include the purpose of the proposed expenditure and the reasons necessitating the advance.

b) Expenditure Reimbursements. Disbursement of Trust Funds shall be made on the basis of expenses and obligations reported on a monthly fiscal report. Obligations reported on the Fiscal Report will be disbursed only if the payment is to be liquidated within thirty days of

receipt of the state warrant. This report shall be submitted monthly unless otherwise specified in the award agreement. Requests for disbursements of Trust Funds made on fiscal reports that are submitted later than the specified deadline will be paid at the discretion of the Council. Requests for final reimbursement must be received by the Council no later than 45 days after the termination of the agreement.

c) Timing of Disbursement. Implementing entities should anticipate a delay of approximately 4 - 6 weeks from the submission of the request for disbursement until the receipt of the state warrant. Implementing entities should consider this delay when calculating the disbursal request by projecting which obligations will need to be liquidated upon receipt of the state warrant.

d) Final Disbursement. The final disbursement of Trust Funds shall be made on the basis of expenditures reported in the final financial status report. This disbursement shall be made on the basis of total agreement costs and shall not be made until the implementing entity has satisfied any applicable match requirements of the award agreement. Should the implementing entity fail to meet the match required in the agreement, an appropriate adjustment shall be made in the final disbursement.

Section 1810.520 Cash Balances

Implementing entities shall request only the minimum amounts of cash necessary to pay their bills in a timely fashion. The Council reserves the prerogative to adjust cash requests on the basis of reported expenditures and cash balance. If the implementing entity anticipates an inordinate expenditure of implementing entity funds during a particular period, this expense should be explained on the monthly fiscal report.

Section 1810.530 Allowable Costs

Trust Funds may be used for costs which are directly attributable to, necessary, and essential to the program as evidenced by the award agreement except for those costs enumerated in Section 1810.540. However, the use of Trust Funds for the following costs requires prior written approval by the Council before such costs shall be deemed allowable:

a) Expenditures incurred before or after the program period;
b) Office space rental;
c) Office equipment purchase or rental costs for desks, chairs, tables, file cabinets, book shelves, typewriters, electronic data processing equipment, or adding machines;
d) Construction or remodeling costs;
e) Liens;
f) Audit costs, pursuant to Section 1810.910;
g) Buy money

Section 1810.540 Unallowable Costs

Trust Funds may not be used for the following expenditures:

a) Liability insurance;
b) Professional memberships/dues;
c) First class travel;
d) Entertainment;
e) Expenditures in excess of approved budget;
f) Bad debts;
g) Fines and penalties;
h) Contributions and donations;
i) Premium items and souvenirs;
j) Lobbying.

Section 1810.550 Indirect Costs

The Council shall not provide implementing entities funds for the indirect costs of an award agreement. The intent of this policy is to achieve broader and more concentrated application of Trust Funds to direct program costs and funded activities.

SUBPART F: IMPLEMENTING ENTITY RECORD KEEPING

Section 1810. 600 Financial Records

All recipients of Trust Funds from the Council must maintain:

a) Records which fully disclose the total cost of the project for which the Trust Funds were awarded;

b) Records which fully disclose the disposition of all Trust Funds for the project, including a current property inventory;

c) Records which fully disclose the amount of money supplied to the project by sources other than the Council;

d) Any other records requested by the Council to facilitate an effective audit.

These records shall be the basis for monthly fiscal reports submitted by the recipient of funds to the Council. They shall also be subject to review by Council staff during site visits.

Section 1810.610 Program Records

Every recipient of Trust Funds from the Council must maintain records which document the programmatic activities performed pursuant to the award agreement. These records shall be the basis for monthly program performance reports submitted by the recipient of funds to the Council. They shall also be subject to review by Council staff during site visits.

Section 1810.620 Retention and Access Requirements for Records

All financial and program records, supporting documents and all other books and records pertaining to and required to be maintained by the terms of any Council award shall be maintained and retained by the implementing entity for a period of five (5) years after conclusion or termination of the grant to allow for audit by the Council, the State of Illinois, the Federal government, and any person duly authorized by the Council. Records shall be retained beyond the five year period if an audit is in progress or if the findings of a completed audit and if any claim, litigation or other action begun before the expiration of the five (5) year period have not been resolved satisfactorily. If any of these preceding conditions occurs, then the records shall be retained until the audit is completed or the matters at issue are resolved.

SUBPART G: IMPLEMENTING ENTITY REPORTING REQUIREMENTS

Section 1810.700 Fiscal Reports

Implementing entities shall submit monthly fiscal reports to the Council detailing program expenditures in a form and manner required by the Council.

Section 1810.710 Program Performance Reports

Implementing entities shall submit monthly performance reports to the Council detailing achievement relative to the performance measures contained in the award document in a form and manner required by the Council.

Section 1810.720 Due Dates of Reports

Monthly fiscal reports and program performance reports are due on or before the fifteenth of the following month.

Section 1810.730 Final Program Report

Upon termination of the award agreement, the implementing entity shall submit to the Council within sixty (60) days and in the form and manner required by the Council, a final program report consisting of the following:

a) Final financial status report;

b) Final program performance report;

c) Property inventory report; and

d) Any other information or documentation pursuant to terms or special conditions specified in the award agreement or as otherwise required by the Council.

SUBPART H: PROPERTY MANAGEMENT

Section 1810.800 Requirements for Use and Disposition of Property

a) Property acquired by an implementing entity wholly or in part with Trust Funds shall, consistent with the law and subject to the Council's approval, be used and managed to ensure that the property is used for purposes consistent with the Act. Title to the property will not be taken by the Council, but shall be vested in the implementing entity subject to the following restrictions on use and disposition of the property:

1) Use by an Implementing Entity. The implementing entity shall retain and use the property acquired with Trust Funds as long as there is a need for the property to accomplish the purpose of the program whether or not the program continues to be

supported by Trust Funds.

2) Disposition by a State Implementing Entity. If it is determined that a need still exists but the property originally acquired by a State agency to accomplish the purpose of the program is no longer capable of fulfilling this need or is no longer needed to accomplish the purpose of the program and must be sold, traded in or replaced, the state agency must notify the Council in writing of its proposed plans to dispose of the property 30 days prior to selling, trading-in or replacing the property in conformance with requirements of the State Property Control Act (30 ILCS 605/1 et seq.) and rules issued pursuant thereto. Replacement property shall be used to further purposes of the program. The Executive Director on behalf of the Council shall, upon receiving notice of the proposed disposition plans, inform the Director of the Department of Central Management Services as to the need for the property to accomplish the purpose of the program or the Act by another implementing entity and make appropriate recommendations as to the disposition of the property.

3) Disposition by an Implementing Entity other than a State Agency.

A) If it is determined that a need still exists but the property originally acquired by an implementing entity other than a state agency to accomplish the purpose of the program is no longer capable of fulfilling this need and must be traded-in or replaced, the implementing entity other than a state agency may use the property as a trade-in or may sell the property and use the proceeds to offset the cost of replacing the property, provided, for property with a value in excess of $1000, it notifies the Council in writing of its proposed plans to dispose of the property 30 days prior to selling, trading-in or replacing the property and obtains the approval of the Executive Director on behalf of the Council. Replacement property shall be used to further purposes of the program.

B) When an implementing entity other than a state agency no longer needs the property to accomplish the purpose of the program, and the value of the property exceeds $1000, it shall notify the Council and request disposition instructions. The Council reserves the right to make a final determination whether the property is needed to accomplish the purpose of the program and to take possession and control of the property or to transfer or assign the property to any other implementing entity that has a need or use for the property.

C) If, at the expiration of the need for funded purposes, the total inventory of any unused expendable personal property exceeds $500 in value, the implementing entity other than a state agency may, with the approval of the Executive Director, retain the property or sell the property as long as the implementing entity compensates the Council for its share in the cost. However, if the value of the property is less than $500, the implementing entity other than a state agency may sell or dispose of the property in accordance with its own procedures without compensating the Council, provided it notifies the Council within seven (7) days of the transaction.

b) Property records shall include a current property inventory report which is updated as property is acquired or disposed of. Property records shall be maintained accurately and provide for: a description of the property; manufacturers serial number or other identification number; acquisition date and cost; source of property; percentage of Trust Funds used in the purchase of property; location, use, and condition of the property; and ultimate disposition information.

c) The property inventory report shall be updated by the implementing entity as property is acquired and maintained accordingly. In addition, a complete physical inventory of property shall be taken and the results reconciled with the property records at least annually to verify existence, current use, and continued need for the property.

d) The implementing entity shall employ a property control system to insure adequate safeguards to prevent loss, damage, or theft to the property. Any loss, damage, or theft of nonexpendable property shall be investigated and fully documented. Any loss, damage, or theft of items purchased with Trust Funds in excess of $500 shall be reported to the Executive Director within seven (7) days of the loss, damage, or theft.

e) The implementing entity shall employ adequate maintenance procedures to keep the property in good condition.

f) If the implementing entity is authorized or required by the Council to sell the property, proper sale procedures shall be established for unneeded property which would provide for competition to the extent practicable and result in the highest possible return.

g) Specific standards for control of intangible property are provided as follows:

1) If any program produces processes or inventions that could result in patents or patent rights, in the course of work aided by a Council-funded program, such fact shall be promptly and fully reported to the Executive Director, who shall determine whether protection on such invention or discovery shall be sought and how the rights in the invention or discovery (including rights under any patent issued thereon) shall be allocated and administered in order to protect the public interest.

2) Where the award agreement results in a book or other material which could be copyrighted, the author or implementing entity is free to copyright the work, but the Council reserves a royalty-free, nonexclusive and irrevocable license to reproduce, publish, or otherwise use, and to authorize others to use the work for government purposes.

h) Records for property acquired with Trust Funds shall be retained for five years after the final disposition of the property.

SUBPART I: MONITORING PROGRAM PERFORMANCE

Section 1810.900 Site Visits

Council staff shall be responsible for monitoring program performance. Site visits of each funded program will be conducted on at least an annual basis. Site visits shall, at a minimum, include examinations of financial and program records.

Section 1810.910 Audits

Implementing entities shall be responsible for the performance of an independent audit of the fiscal policies, procedures, and practices employed in connection with the awarded program. With the prior written approval of the Council, awarded funds may be used by the implementing entity for this purpose.

SUBPART J: SUSPENSION AND TERMINATION

Section 1810.1000 Suspension

Notwithstanding section 2 below, the Executive Director shall suspend performance of any award agreement for a period not to exceed 28 days where there has been a determination of noncompliance with any state or federal statute, rule or regulation, or with such guidelines specified in the award agreement. The Executive Director shall reinstate performance of an agreement that has been so suspended if the noncompliance is corrected within twenty-eight (28) days from the date of suspension. However, notwithstanding section 2 below, an award agreement, for which performance has been suspended, shall be terminated by the Executive Director if performance of the award agreement is not reinstated with twenty-eight (28) days from its suspension. Written notice of all such actions by the Executive Director shall be submitted to the implementing entity and members of the Council as soon as possible, but within seven (7) days.

Section 1810.1010 Extension

Upon the request of an implementing entity, the Executive Director shall extend the length of time performance of an award agreement may be suspended beyond twenty-eight (28) days for an additional period not to exceed fourteen (14) days, if the noncompliance for which performance of the agreement was suspended can be corrected within such extension period and such correction would result in fulfillment of the terms of the agreement. Such an extension shall be granted by the Executive Director only with the consent of the Chairman of the Council. Since an extension granted by the Executive Director pursuant to this subsec-

tion is initiated by the implementing entity, it shall not be deemed an adverse action under these rules. However, an award agreement, for which the period of suspended performance has been extended pursuant to this subsection, shall be terminated by the Executive Director if performance of the award agreement has not been reinstated by the Executive Director before the extension period has expired. Such termination may then be appealed as provided in this Part. Written notice of all such actions by the Executive Director shall be submitted to the implementing entity and members of the Council as soon as possible, but within seven (7) days.

Section 1810.1020 Termination

The Executive Director shall immediately terminate any award agreement for any reason of noncompliance specified in section 1 above, if performance of the agreement has been suspended on at least one prior occasion or if such noncompliance cannot be corrected by the implementing entity within twenty-eight (28) days from the date of suspension. Written notice of such termination by the Executive Director shall be submitted to the implementing entity and members of the Council as soon as possible, but within seven (7) days.

SUBPART K: APPEALS

Section 1810.1100 Applicable Legal Guidelines

The appeals procedures of the Council shall be subject to the provisions of Sections 10 through 15 of the Illinois Administrative Procedure Act (5 ILCS 100/10-5).

Section 1810.1110 Appeal Procedures

a) An implementing entity may appeal any adverse action by writing to the Council within fourteen (14) days from the date the notice of the adverse action is mailed to the implementing entity. This written appeal shall contain specific reasons stating why the action taken by the Executive Director should be modified and the action requested of the Council, and shall be signed and dated by the implementing entity's authorized official.

b) If no timely appeal is taken from an adverse action, such action of the Executive Director will be deemed the final action of the Council, and Council members

shall be notified within seven (7) days or before the next Council meeting, whichever is sooner (by telephone, mail, or written equivalent means) of the action of the Executive Director.

c) When an appeal is timely filed, the Chairman of the Council shall arrange for the Council to hear and decide the appeal within forty-nine (49) days of the receipt of the written appeal. The implementing entity shall have the right to appear before the Council and to present oral or written testimony, to be represented at the hearing by counsel, and shall be notified of the hearing date at least seven (7) days prior to the hearing.

d) At the hearing, the Council shall consider the written appeal to the adverse action submitted pursuant to subsection (b) above, any written or oral response to that appeal by Council staff, and any testimony given by the implementing entity or Council staff to questions posed by Council members.

e) The Council shall render a decision on the appeal before adjourning the hearing.

ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

1) Heading of the Part: Trust Fund Collection Rules

2) Code Citation: 20 Ill. Adm. Code 1800

3)

Section Numbers:	Proposed Action:
1800.10	New Section
1800.20	New Section
1800.30	New Section
1800.40	New Section

4) Statutory Authority: 20 ILCS 4005/1 et seq.

5) A Complete Description of the Subjects and Issues Involved: These rules establish procedures for the collection of money due from insurers of private passenger motor vehicles to be deposited in the Motor Vehicle Theft Prevention Trust Fund each calendar year.

6) Will this proposed rule replace an emergency rule currently in effect? No

7) Does this rulemaking contain an automatic repeal date? No

8) Does this proposed rule contain incorporations by reference? No

9) Are there any other proposed amendments pending on this part? No

10) Statement of Statewide Policy Objectives: These proposed rules neither create nor expand any state mandate on units of local government, school districts, or community college districts.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Comments on these proposed rules may be submitted in writing for a period of 45 days following publication of this notice. Comments should be submitted to:

ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

Gerard Ramker, Program Director
Illinois Motor Vehicle Theft Prevention Council
c/o Illinois Criminal Justice Information Authority
120 South Riverside Plaza, Suite 1016
Chicago, Illinois 60606-3997
(312/793-8550)

12) Initial Regulatory Flexibility Analysis:

A) Date rule submitted to Business Assistance Office of the Department of Commerce and Community Affairs:

November 17, 1993

B) Types of small businesses affected:

Those small businesses that are authorized to write private passenger motor vehicle physical damage insurance coverages which are included in Class 2 and Class 3 of Section 4 of the Illinois Insurance Code.

C) Reporting, bookkeeping or other procedures required for compliance:

Insurers must submit a worksheet to the Illinois Motor Vehicle Theft Prevention Council that must include the following information: insurer company's name, address, phone number and Federal taxpayer identification number; number of total earned car years of exposure for the preceding calendar year; the total fee due; the name, title and phone number of the person completing the worksheet; the person's signature; and the date.

D) Types of professional skills necessary for compliance:

Clerical, bookkeeping.

The full text of the proposed rules begins on the next page:

ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

TITLE 20: CORRECTIONS, CRIMINAL JUSTICE AND LAW ENFORCEMENT
CHAPTER VI: ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

PART 1800
TRUST FUND COLLECTION RULES

1800.10 Purpose and Authorization
1800.20 Definitions
1800.30 Collection Process
1800.40 Public Inquiries

AUTHORITY: Implementing and authorized by the Illinois Motor Vehicle Theft Prevention Act (20 ILCS 4005/1 et seq.).

SOURCE: Emergency Rules adopted at 15 Ill. Reg. 8706, effective on May 30, 1991, for a maximum of 150 days; emergency expired October 27, 1991; new rules adopted at _____ Ill. Reg. _____, effective _____.

Section 1800.10 Purpose and Authorization

These rules establish procedures for the collection of money due from insurers of private passenger motor vehicles for each calendar year to be deposited in the Motor Vehicle Theft Prevention Trust Fund as authorized by the Illinois Motor Vehicle Theft Prevention Act (20 ILCS 4005/1 et seq.)(the Act).

Section 1800.20 Definitions

"The Act" - The term "the Act" means the Illinois Motor Vehicle Theft Prevention Act (20 ILCS 4005/1 et seq.).

"Authority" - The term "Authority" means the Illinois Criminal Justice Information Authority.

"Council" - The term "Council" means the Illinois Motor Vehicle Theft Prevention Council.

"Department" - The term "Department" means the Illinois Department of Insurance.

"Earned car year" - The term "earned car year" means the proportion of a calendar year during which a private passenger motor vehicle can be identified as being insured for physical damage insurance coverage.

ILLINOIS MOTOR VEHICLE THEFT PREVENTION COUNCIL

NOTICE OF PROPOSED RULES

"Physical damage insurance coverage" - The term "physical damage insurance coverage" means motor vehicle insurance provided for theft and/or comprehensive coverage.

"Private passenger motor vehicle" - The term "private passenger motor vehicle" includes any private passenger car, station wagon, jeep, or pickup truck with a load capacity of 1,500 pounds or less not used principally for business purposes, and small farm trucks. This term includes, but is not limited to, jeeps, pick-up trucks, mini-vans, vans and conversion vans.

The term excludes uninsured motor vehicles, motorcycles, motor homes, motor scooters, golf carts, off-road recreational vehicles, and all terrain vehicles, off highway motorcycles, street cars and special mobile equipment as defined under Chapter 1 of the Illinois Vehicle Code (625 ILCS 5/1-101 et seq.).

"Total earned car years" - The term "total earned car years" is the sum of an insurer's earned car years of exposure for the calendar year, rounded to the nearest whole dollar. By way of examples, for purposes of calculating the amount to be remitted by insurers to the Council, a private passenger motor vehicle insured for physical damage insurance coverage for three (3) months during a calendar year would constitute 0.25 total earned car years and would be assessed $.25 ($1.00 x .25); and four (4) private passenger motor vehicles insured for six (6) months each during the calendar year would constitute the sum of two (2) total earned car years and would be assessed a fee of $2.00.

Section 1800.30 Collection Process

Money to be deposited by the Council into the Motor Vehicle Theft Prevention Trust Fund shall be collected from insurers by the Council in the following manner:

a) By March 1 of each calendar year, the Council shall send correspondence to all insurers authorized to write private passenger motor vehicle physical damage insurance coverages which are included in Class 2 and Class 3 of Section 4 of the Illinois Insurance Code (215 ILCS 5/4) during the preceding calendar year. The names and addresses of such insurers shall be identified by the Department and shall be provided to the Council by February 1 of each calendar year.

b) The correspondence will advise these insurers that pursuant to the Act, they are required to submit to the Council by April 1 of the appropriate year an amount equal to $1.00 multiplied by the insurer's total earned car years of private passenger motor vehicle insurance policies providing physical damage insurance coverage, as defined herein, written in the State during the preceding calendar year.

c) The correspondence shall include a worksheet which shall be returned with the correct remittance, if applicable. If an insurer owes no money pursuant to the Act, that fact must be noted on the worksheet and returned to the Council. Such worksheet shall require the insurer to report the following information: insurer company's name, address, phone number and Federal taxpayer identification number; total earned car years of exposure for the preceding calendar year; the total fee due; the name, title and phone number of the person completing the worksheet; the person's signature; and the date.

d) Any remittance due shall be returned to the Council by April 1 of the appropriate year and shall be in the form of a certified or corporate check made payable to: "TREASURER, STATE OF ILLINOIS". The remittance shall be sent to:

Illinois Motor Vehicle Theft Prevention Council
c/o Illinois Criminal Justice Information Authority
120 South Riverside Plaza, Suite 1016
Chicago, Illinois 60606-3997

Attention: Chief Fiscal Officer

e) Upon receipt by the Council of the remittance due, the money shall be deposited into the Illinois Motor Vehicle Theft Prevention Trust Fund.

f) On or before April 15 of each year, the Council shall provide the Department with a report indicating the insurers that returned the worksheet required in Section 1800.30 on time (April 1); the amount of funds, if any, contributed; and the insurers that did not return the worksheet or that returned the worksheet late.

Section 1800.40 Public Inquiries

All inquiries pertaining to the collection process should be

directed to:

Program Director
Illinois Motor Vehicle Theft Prevention Council
c/o Illinois Criminal Justice Information Authority
120 South Riverside Plaza, Suite 1016
Chicago, Illinois 60606-3997
(312) 793-8550
TDD: (312) 793-4170

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Hazardous Waste Management System: General

2) Code Citation: 35 Ill. Adm. Code 720

3) Section Numbers: Adopted Action:

720.110	Amendment
720.111	Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

Yes. 35 Ill. Adm. Code 720.111 is a centralized listing of all incorporations by reference for Parts 721 through 739. References used throughout these Parts are centrally listed in this Section. The present rulemaking amends the incorporations by reference for documents incorporated for the purposes of Parts 703, 720, 721, 722, 724, 725, 726, 728 and 739. They further update the edition of all references to the Code of Federal Regulations for use in all Parts wherever they appear.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9170 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

14) Are there any other amendments pending on this Part? No.

15) Summary and purpose of rulemaking:

The amendments to Part 720 generally concern additional definitions added to the RCRA program.

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 720
HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART A: GENERAL PROVISIONS

Section
720.101 Purpose, Scope and Applicability
720.102 Availability of Information; Confidentiality of Information
720.103 Use of Number and Gender

SUBPART B: DEFINITIONS

Section
720.110 Definitions
720.111 References

SUBPART C: RULEMAKING PETITIONS AND OTHER PROCEDURES

Section
720.120 Rulemaking
720.121 Alternative Equivalent Testing Methods
720.122 Waste Delisting
720.130 Procedures for Solid Waste Determinations
720.131 Solid Waste Determinations
720.132 Boiler Determinations
720.133 Procedures for Determinations
720.140 Additional regulation of certain hazardous waste Recycling Activities on a case-by-case Basis
720.141 Procedures for case-by-case regulation of hazardous waste Recycling Activities

720.Appendix A Overview of 40 CFR, Subtitle C Regulations

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27]).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-19 at 7 Ill. Reg. 14015, effective Oct. 12, 1983; amended in R84-9, 53 PCB 131 at 9 Ill. Reg. 11819, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 968, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 13998, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20630, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6017, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13435, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19280, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2450, effective January 15, 1988; amended in R87-39 at 12 Ill. Reg. 12999, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 362, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18278, effective November 13, 1989; amended in R89-2 at 14 Ill. Reg. 3075, effective February 20, 1990; amended in R89-9 at 14 Ill. Reg. 6225, effective April 16, 1990; amended in R90-10 at 14 Ill. Reg. 16450, effective September 25, 1990; amended in R90-17 at 15 Ill. Reg. 7934, effective May 9, 1991; amended in R90-11 at 15 Ill. Reg. 9323, effective June 17, 1991; amended in R92-10 at 17 Ill. Reg. 5625, effective March 26, 1993; amended in R93-4 at

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

17 Ill. Reg. _____, effective November 22, 1993.

SUBPART B: DEFINITIONS

Section 720.110 Definitions

When used in 35 Ill. Adm. Code 720 through 726 and 728 only, the following terms have the meanings given below:

"Aboveground tank" means a device meeting the definition of "tank" that is situated in such a way that the entire surface area of the tank is completely above the plane of the adjacent surrounding surface and the entire surface area of the tank (including the tank bottom) is able to be visually inspected.

"Act" or "RCRA" means the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6901 et seq.)

"Active life" of a facility means the period from the initial receipt of hazardous waste at the facility until the Agency receives certification of final closure.

"Active portion" means that portion of a facility where treatment, storage or disposal operations are being or have been conducted after May 19, 1980, and which is not a closed portion. (See also "closed portion" and "inactive portion".)

"Administrator" means the Administrator of the U.S. Environmental Protection Agency or the Administrator's designee.

"Agency" means the Illinois Environmental Protection Agency.

"Ancillary equipment" means any device including, but not limited to, such devices as piping, fittings, flanges, valves and pumps, that is used to distribute, meter or control the flow of hazardous waste from its point of generation to storage or treatment tank(s), between hazardous waste storage and treatment tanks to a point of disposal onsite, or to a point of shipment for disposal off-site.

"Aquifer" means a geologic formation, group of formations or part of a formation capable of yielding a significant amount of groundwater to wells or springs.

"Authorized representative" means the person responsible for the overall operation of a facility or an operational unit (i.e., part of a facility), e.g., the plant manager, superintendent or person of equivalent responsibility.

"Board" means the Illinois Pollution Control Board.

"Boiler" means an enclosed device using controlled flame combustion and having the following characteristics:

The unit must have physical provisions for recovering and exporting thermal energy in the form of steam, heated fluids

or heated gases; and the unit's combustion chamber and primary energy recovery Section(s) must be of integral design. To be of integral design, the combustion chamber and the primary energy recovery Section(s) (such as waterwalls and superheaters) must be physically formed into one manufactured or assembled unit. A unit in which the combustion chamber and the primary energy recovery Section(s) are joined only by ducts or connections carrying flue gas is not integrally designed; however, secondary energy recovery equipment (such as economizers or air preheaters) need not be physically formed into the same unit as the combustion chamber and the primary energy recovery Section. The following units are not precluded from being boilers solely because they are not of integral design: process heaters (units that transfer energy directly to a process stream), and fluidized bed combustion units; and

While in operation, the unit must maintain a thermal energy recovery efficiency of at least 60 percent, calculated in terms of the recovered energy compared with the thermal value of the fuel; and

The unit must export and utilize at least 75 percent of the recovered energy, calculated on an annual basis. In this calculation, no credit shall be given for recovered heat used internally in the same unit. (Examples of internal use are the preheating of fuel or combustion air, and the driving of induced or forced draft fans or feedwater pumps); or

The unit is one which the Board has determined, on a case-by-case basis, to be a boiler, after considering the standards in Section 720.132.

"Carbon regeneration unit" means any enclosed thermal treatment device used to regenerate spent activated carbon.

"Certification" means a statement of professional opinion based upon knowledge and belief.

"Closed Portion" means that portion of a facility which an owner or operator has closed in accordance with the approved facility closure plan and all applicable closure requirements. (See also "active portion" and "inactive portion".)

"Component" means either the tank or ancillary equipment of a tank system.

"Confined aquifer" means an aquifer bounded above and below by impermeable beds or by beds of distinctly lower permeability than that of the aquifer itself; an aquifer containing confined groundwater.

"Container" means any portable device in which a material is stored, transported, treated, disposed of or otherwise handled.

"Containment Building" means a hazardous waste management unit that is used to store or treat hazardous waste under the

provisions of 35 Ill. Adm. Code 724.Subpart DD and 35 Ill. Adm. Code 725.Subpart DD.

"Contingency plan" means a document setting out an organized, planned and coordinated course of action to be followed in case of a fire, explosion or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

"Corrosion expert" means a person who, by reason of knowledge of the physical sciences and the principles of engineering and mathematics, acquired by a professional education and related practical experience, is qualified to engage in the practice of corrosion control on buried or submerged metal piping systems and metal tanks. Such a person must be certified as being qualified by the National Association of Corrosion Engineers (NACE) or be a registered professional engineer who has certification or licensing that includes education and experience in corrosion control on buried or submerged metal piping systems and metal tanks.

"Designated facility" means a hazardous waste treatment, storage or disposal facility,

Which:

Has received a RCRA permit (or interim status) pursuant to 35 Ill. Adm. Code 702, 703 and 705;

Has received a RCRA permit from USEPA pursuant to 40 CFR 124 and 270 (1991);

Has received a RCRA permit from a state authorized by USEPA pursuant to 40 CFR 271 (1991); or

Is regulated under 35 Ill. Adm. Code 721.106(c)(2) or 266.Subpart F; and

Which has been designated on the manifest by the generator pursuant to 35 Ill. Adm. Code 722.120.

If a waste is destined to a facility in a state, other than Illinois, which has been authorized by USEPA pursuant to 40 CFR 271, but which has not yet obtained authorization to regulate that waste as hazardous, then the designated facility must be a facility allowed by the receiving state to accept such waste.

"Dike" means an embankment or ridge of either natural or manmade materials used to prevent the movement of liquids, sludges, solids or other materials.

"Director" means the Director of the Illinois Environmental Protection Agency.

"Discharge" or "hazardous waste discharge" means the accidental or intentional spilling, leaking, pumping, pouring, emitting, emptying or dumping of hazardous waste into or on any land or water.

"Disposal" means the discharge, deposit, injection, dumping, spilling, leaking or placing of any solid waste or hazardous waste into or on any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including groundwaters.

"Disposal facility" means a facility or part of a facility at which hazardous waste is intentionally placed into or on any land or water and at which waste will remain after closure.

"Drip pad" means an engineered structure consisting of a curbed, free-draining base, constructed of non-earthen materials and designed to convey preservative kick-back or drippage from treated wood, precipitation and surface water run-on to an associated collection system at wood preserving plants.

"Elementary neutralization unit" means a device which:

Is used for neutralizing wastes which are hazardous only because they exhibit the corrosivity characteristic defined in 35 Ill. Adm. Code 721.122 or are listed in 35 Ill. Adm. Code 721.Subpart D only for this reason; and

Meets the definition of tank, tank system, container, transport vehicle or vessel in this Section.

"EPA" or "USEPA " means United States Environmental Protection Agency.

"EPA hazardous waste number" or "USEPA hazardous waste number" means the number assigned by EPA to each hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D and to each characteristic identified in 35 Ill. Adm. Code 721.Subpart C.

"EPA identification number" or "USEPA identification number" means the number assigned by USEPA pursuant to 35 Ill. Adm. Code 722 through 725 to each generator, transporter and treatment, storage or disposal facility.

"EPA region" means the states and territories found in any one of the following ten regions:

Region I: Maine, Vermont, New Hampshire, Massachusetts, Connecticut and Rhode Island

Region II: New York, New Jersey, Commonwealth of Puerto Rico and the U.S. Virgin Islands

Region III: Pennsylvania, Delaware, Maryland, West Virginia, Virginia and the District of Columbia

Region IV: Kentucky, Tennessee, North Carolina, Mississippi, Alabama, Georgia, South Carolina and Florida

Region V: Minnesota, Wisconsin, Illinois, Michigan, Indiana and Ohio

Region VI: New Mexico, Oklahoma, Arkansas, Louisiana and Texas

Region VII: Nebraska, Kansas, Missouri and Iowa

Region VIII: Montana, Wyoming, North Dakota, South Dakota, Utah and Colorado

Region IX: California, Nevada, Arizona, Hawaii, Guam, American Samoa and Commonwealth of the Northern Mariana Islands

Region X: Washington, Oregon, Idaho and Alaska

"Equivalent method" means any testing or analytical method approved by the Board pursuant to Section 720.120.

"Existing hazardous waste management (HWM) facility" or "existing facility" means a facility which was in operation or for which construction commenced on or before November 19, 1980. A facility had commenced construction if the owner or operator had obtained the federal, state and local approvals or permits necessary to begin physical construction and either:

A continuous on-site, physical construction program had begun or

The owner or operator had entered into contractual obligations -- which could not be cancelled or modified without substantial loss -- for physical construction of the facility to be completed within a reasonable time.

"Existing portion" means that land surface area of an existing waste management unit, included in the original Part A permit application, on which wastes have been placed prior to the issuance of a permit.

"Existing tank system" or "existing component" means a tank system or component that is used for the storage or treatment of hazardous waste and that is in operation, or for which installation has commenced on or prior to July 14, 1986. Installation will be considered to have commenced if the owner or operator has obtained all federal, State and local approvals or permits necessary to begin physical construction of the site or installation of the tank system and if either

A continuous on-site physical construction or installation program has begun; or

The owner or operator has entered into contractual obligations -- which cannot be canceled or modified without substantial loss -- for physical construction of the site or installation of the tank system to be completed within a reasonable time.

"Facility" means all contiguous land and structures, other appurtenances and improvements on the land used for treating, storing or disposing of hazardous waste. A facility may consist of

"Inactive portion" means that portion of a facility which is not operated after November 19, 1980. (See also "active portion" and "closed portion".)

"Incinerator" means any enclosed device that:

Uses controlled flame combustion and neither:

Meets the criteria for classification as a boiler, sludge dryer or carbon regeneration unit, nor

Is listed as an industrial furnace; or

Meets the definition of infrared incinerator or plasma arc incinerator.

"Incompatible waste" means a hazardous waste which is suitable for:

Placement in a particular device or facility because it may cause corrosion or decay of containment materials (e.g., container inner liners or tank walls); or

Commingling with another waste or material under uncontrolled conditions because the commingling might produce heat or pressure, fire or explosion, violent reaction, toxic dusts, mists, fumes or gases or flammable fumes or gases.

(See 35 Ill. Adm. Code 725.Appendix E for examples.)

"Industrial furnace" means any of the following enclosed devices that are integral components of manufacturing processes and that use thermal treatment to accomplish recovery of materials or energy:

Cement kilns

Lime kilns

Aggregate kilns

Phosphate kilns

Coke ovens

Blast furnaces

Smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, reverberator furnaces, sintering machines, roasters and foundry furnaces)

Titanium dioxide chloride process oxidation reactors

Methane reforming furnaces

Pulping liquor recovery furnaces

several treatment, storage or disposal operational units (e.g., one or more landfills, surface impoundments or combinations of them).

"Final closure" means the closure of all hazardous waste management units at the facility in accordance with all applicable closure requirements so that hazardous waste management activities under 35 Ill. Adm. Code 724 and 725 are no longer conducted at the facility unless subject to the provisions of 35 Ill. Adm. Code 722.134.

"Federal agency" means any department, agency or other instrumentality of the federal government, any independent agency or establishment of the federal government including any government corporation and the Government Printing Office.

"Federal, state and local approvals or permits necessary to begin physical construction" means permits and approvals required under federal, state or local hazardous waste control statutes, regulations or ordinances.

"Food-chain crops" means tobacco, crops grown for human consumption and crops grown for feed for animals whose products are consumed by humans.

"Freeboard" means the vertical distance between the top of a tank or surface impoundment dike and the surface of the waste contained therein.

"Free liquids" means liquids which readily separate from the solid portion of a waste under ambient temperature and pressure.

"Generator" means any person, by site, whose act or process produce hazardous waste identified or listed in 35 Ill. Adm. Code 721 or whose act first causes a hazardous waste to become subject to regulation.

"Groundwater" means water below the land surface in a zone of saturation.

"Hazardous waste" means a hazardous waste as defined in 35 Ill. Adm. Code 721.103.

"Hazardous waste constituent" means a constituent which caused the hazardous waste to be listed in 35 Ill. Adm. Code 721.Subpart D, or a constituent listed in of 35 Ill. Adm. Code 721.124.

"Hazardous waste management unit" is a contiguous area of land on or in which hazardous waste is placed, or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area. Examples of hazardous waste management units include a surface impoundment, a waste pile, a land treatment area, a landfill cell, an incinerator, a tank and its associated piping and underlying containment system and a container storage area. A container alone does not constitute a unit; the unit includes containers and the land or pad upon which they are placed.

Combustion devices used in the recovery of sulfur values from spent sulfuric acid

Halogen acid furnaces (HAFs) for the production of acid from halogenated hazardous waste generated by chemical production facilities where the furnace is located on the site of a chemical production facility, the acid product has a halogen acid content of at least 3%, the acid product is used in a manufacturing process and, except for hazardous waste burned as fuel, hazardous waste fed to the furnace has a minimum halogen content of 20%, as generated.

Any other such device as the Agency determines to be an "Industrial Furnace" on the basis of one or more of the following factors:

The design and use of the device primarily to accomplish recovery of material products;

The use of the device to burn or reduce raw materials to make a material product;

The use of the device to burn or reduce secondary materials as effective substitutes for raw materials, in processes using raw materials as principal feedstocks;

The use of the device to burn or reduce secondary materials as ingredients in an industrial process to make a material product;

The use of the device in common industrial practice to produce a material product; and

Other relevant factors.

"Individual generation site" means the contiguous site at or on which one or more hazardous wastes are generated. An individual generation site, such as a large manufacturing plant, may have one or more sources of hazardous waste but is considered a single or individual generation site if the site or property is contiguous.

"Infrared incinerator" means any enclosed device which uses electric powered resistance heaters as a source of radiant heat followed by an afterburner using controlled flame combustion and which is not listed as an industrial furnace.

"Inground tank" means a device meeting the definition of "tank" whereby a portion of the tank wall is situated to any degree within the ground, thereby preventing visual inspection of that external surface area of the tank that is in the ground.

"In operation" refers to a facility which is treating, storing or disposing of hazardous waste.

"Injection well" means a well into which fluids are being injected. (See also "underground injection".)

"Inner liner" means a continuous layer of material placed inside a tank or container which protects the construction materials of the tank or container from the contained waste or reagents used to treat the waste.

"Installation inspector" means a person who, by reason of knowledge of the physical sciences and the principles of engineering, acquired by a professional education and related practical experience, is qualified to supervise the installation of tank systems.

"International shipment" means the transportation of hazardous waste into or out of the jurisdiction of the United States.

"Land treatment facility" means a facility or part of a facility at which hazardous waste is applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.

"Landfill" means a disposal facility or part of a facility where hazardous waste is placed in or on land and which is not a pile, a land treatment facility, a surface impoundment, an underground injection well, a salt dome formation, an underground mine or a cave.

"Landfill cell" means a discrete volume of a hazardous waste landfill which uses a liner to provide isolation of wastes from adjacent cells or wastes. Examples of landfill cells are trenches and pits.

"LDS" means leak detection system.

"Leachate" means any liquid, including any suspended components in the liquid, that has percolated through or drained from hazardous waste.

"Liner" means a continuous layer of natural or manmade materials beneath or on the sides of a surface impoundment, landfill or landfill cell, which restricts the downward or lateral escape of hazardous waste, hazardous waste constituents or leachate.

"Leak-detection system" means a system capable of detecting the failure of either the primary or secondary containment structure or the presence of a release of hazardous waste or accumulated liquid in the secondary containment structure. Such a system must employ operational controls (e.g., daily visual inspections for releases into the secondary containment system of aboveground tanks) or consist of an interstitial monitoring device designed to detect continuously and automatically the failure of the primary or secondary containment structure or the presence of a release of hazardous waste into the secondary containment structure.

"Management" or "hazardous waste management" means the systematic control of the collection, source separation, storage, transportation, processing, treatment, recovery and disposal of hazardous waste.

"Manifest" means the shipping document originated and signed by

the generator which contains the information required by 35 Ill. Adm. Code 722.Subpart B.

"Manifest document number" means the USEPA twelve digit identification number assigned to the generator plus a unique five digit document number assigned to the manifest by the generator for recording and reporting purposes.

"Mining overburden returned to the mine site" means any material overlying an economic mineral deposit which is removed to gain access to that deposit and is then used for reclamation of a surface mine.

"Miscellaneous unit" means a hazardous waste management unit where hazardous waste is treated, stored or disposed of and which is not a container, tank, tank system, surface impoundment, pile, land treatment unit, landfill, incinerator, boiler, industrial furnace, underground injection well with appropriate technical standards under 35 Ill. Adm. Code 730, containment building, or a unit eligible for a research, development and demonstration permit under 35 Ill. Adm. Code 703.231.

"Movement" means that hazardous waste transported to a facility in an individual vehicle.

"New hazardous waste management facility" or "new facility" means a facility which began operation, or for which construction commenced, after November 19, 1980. (See also "Existing hazardous waste management facility".)

"New tank system" or "new tank component" means a tank system or component that will be used for the storage or treatment of hazardous waste and for which installation commenced after July 14, 1986; except, however, for purposes of 35 Ill. Adm. Code 724.293(g)(2) and 725.293(g)(2), a new tank system is one for which construction commences after July 14, 1986. (See also "existing tank system.")

"Onground tank" means a device meeting the definition of "tank" that is situated in such a way that the bottom of the tank is on the same level as the adjacent surrounding surfaces so that the external tank bottom cannot be visually inspected.

"On-site" means the same or geographically contiguous property which may be divided by public or private right-of-way, provided the entrance and exit between the properties is at a crossroads interSection and access is by crossing as opposed to going along the right-of-way. Noncontiguous properties owned by the same person but connected by a right-of-way which he controls and to which the public does not have access is also considered on-site property.

"Open burning" means the combustion of any material without the following characteristics:

Control of combustion air to maintain adequate temperature for efficient combustion;

Containment of the combustion reaction in an enclosed device to provide sufficient residence time and mixing for complete combustion; and

Control of emission of the gaseous combustion products.

(See also "incineration" and "thermal treatment".)

"Operator" means the person responsible for the overall operation of a facility.

"Owner" means the person who owns a facility or part of a facility.

"Partial closure" means the closure of a hazardous waste management unit in accordance with the applicable closure requirements of 35 Ill. Adm. Code 724 or 725 at a facility which contains other active hazardous waste management units. For example, partial closure may include the closure of a tank (including its associated piping and underlying containment systems), landfill cell, surface impoundment, waste pile or other hazardous waste management unit, while other units of the same facility continue to operate.

"Person" means an individual, trust, firm, joint stock company, federal agency, corporation (including a government corporation), partnership, association, state, municipality, commission, political subdivision of a state or any interstate body.

"Personnel" or "facility personnel" means all persons who work at or oversee the operations of a hazardous waste facility and whose actions or failure to act may result in noncompliance with the requirements of 35 Ill. Adm. Code 724 or 725.

"Pile" means any noncontainerized accumulation of solid, non-flowing hazardous waste that is used for treatment or storage~~,~~ and that is not a containment building.

"Plasma arc incinerator" means any enclosed device which uses a high intensity electrical discharge or arc as a source of heat followed by an afterburner using controlled flame combustion and which is not listed as an industrial furnace.

"Point source" means any discernible, confined and discrete conveyance including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation or vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture.

"Publicly owned treatment works" or "POTW" is as defined in 35 Ill. Adm. Code 310.110.

"Qualified groundwater scientist" means a scientist or engineer who has received a baccalaureate or postgraduate degree in the natural sciences or engineering, and has sufficient training and experience in groundwater hydrology and related fields, as

demonstrated by state registration, professional certifications or completion of accredited university courses that enable the individual to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

BOARD NOTE: "State registration" includes, but is not limited to, registration as a professional engineer with the Department of Professional Regulation, pursuant to Ill. Rev. Stat. 1991, ch. 111, par. 5201 [225 ILCS 325/1] and 68 Ill. Adm. Code 1380. "Professional certification" includes, but is not limited to, certification under the certified ground water professional program of the National Ground Water Association.

"Regional Administrator" means the Regional Administrator for the EPA Region in which the facility is located or the Regional Administrator's designee.

"Representative sample" means a sample of a universe or whole (e.g., waste pile, lagoon, groundwater) which can be expected to exhibit the average properties of the universe or whole.

"Replacement unit" means a landfill, surface impoundment or waste pile unit from which all or substantially all of the waste is removed, and which is subsequently reused to treat, store or dispose of hazardous waste. "Replacement unit" does not include a unit from which waste is removed during closure, if the subsequent reuse solely involves the disposal of waste from that unit and other closing units or corrective action areas at the facility, in accordance with a closure or corrective action plan approved by USEPA or the Agency.

"Runoff" means any rainwater, leachate or other liquid that drains over land from any part of a facility.

"Runon" means any rainwater, leachate or other liquid that drains over land onto any part of a facility.

"Saturated zone" or "zone of saturation" means that part of the earth's crust in which all voids are filled with water.

"SIC Code" means Standard Industrial Code as defined in Standard Industrial Classification Manual, incorporated by reference in Section 720.111.

"Sludge" means any solid, semi-solid or liquid waste generated from a municipal, commercial or industrial wastewater treatment plant, water supply treatment plant or air pollution control facility exclusive of the treated effluent from a wastewater treatment plant.

"Sludge dryer" means any enclosed thermal treatment device which is used to dehydrate sludge and which has a total thermal input, excluding the heating value of the sludge itself, of 2500 Btu/lb or less of sludge treated on a wet weight basis.

"Small Quantity Generator" means a generator which generates less than 1000 kg of hazardous waste in a calendar month.

"Solid waste" means a solid waste as defined in 35 Ill. Adm. Code 721.102.

"Sorbent" means a material that is used to soak up free liquids by either adsorption or absorption, or both. "Sorb" means to either adsorb or absorb, or both.

"Sump" means any pit or reservoir that meets the definition of tank and those troughs or trenches connected to it that serve to collect hazardous waste for transport to hazardous waste storage, treatment or disposal facilities; except that, as used in the landfill, surface impoundment and waste pile rules, "sump" means any lined pit or reservoir that serves to collect liquids drained from a leachate collection and removal system or leak detection system for subsequent removal from the system.

"State" means any of the several states, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands.

"Storage" means the holding of hazardous waste for a temporary period, at the end of which the hazardous waste is treated, disposed of or stored elsewhere.

"Surface impoundment" or "impoundment" means a facility or part of a facility which is a natural topographic depression, manmade excavation or diked area formed primarily of earthen materials (although it may be lined with manmade materials) which is designed to hold an accumulation of liquid wastes or wastes containing free liquids and which is not an injection well. Examples of surface impoundments are holding, storage, settling and aeration pits, ponds and lagoons.

"Tank" means a stationary device, designed to contain an accumulation of hazardous waste which is constructed primarily of nonearthen materials (e.g., wood, concrete, steel, plastic) which provide structural support.

"Tank system" means a hazardous waste storage or treatment tank and its associated ancillary equipment and containment system.

"Thermal treatment" means the treatment of hazardous waste in a device which uses elevated temperatures as the primary means to change the chemical, physical or biological character or composition of the hazardous waste. Examples of thermal treatment processes are incineration, molten salt, pyrolysis, calcination, wet air oxidation and microwave discharge. (See also "incinerator" and "open burning".)

"Totally enclosed treatment facility" means a facility for the treatment of hazardous waste which is directly connected to an industrial production process and which is constructed and operated in a manner which prevents the release of any hazardous waste or any constituent thereof into the environment during treatment. An example is a pipe in which waste acid is neutralized.

"Transfer facility" means any transportation related facility including loading docks, parking areas, storage areas and other similar areas where shipments of hazardous waste are held during the normal course of transportation.

"Transport vehicle" means a motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (trailer, railroad freight car, etc.) is a separate transport vehicle.

"Transportation" means the movement of hazardous waste by air, rail, highway or water.

"Transporter" means a person engaged in the off-site transportation of hazardous waste by air, rail, highway or water.

"Treatability study" means:

A study in which a hazardous waste is subjected to a treatment process to determine:

Whether the waste is amenable to the treatment process.

What pretreatment (if any) is required.

The optimal process conditions needed to achieve the desired treatment.

The efficiency of a treatment process for a specific waste or wastes. Or,

The characteristics and volumes of residuals from a particular treatment process.

Also included in this definition for the purpose of 35 Ill. Adm. Code 721.104(e) and (f) exemptions are liner compatibility, corrosion and other material compatibility studies and toxicological and health effects studies. A "treatability study" is not a means to commercially treat or dispose of hazardous waste.

"Treatment" means any method, technique or process, including neutralization, designed to change the physical, chemical or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste or so as to render such waste non-hazardous or less hazardous; safer to transport, store or dispose of; or amenable for recovery, amenable for storage or reduced in volume.

"Treatment zone" means a soil area of the unsaturated zone of a land treatment unit within which hazardous constituents are degraded, transformed or immobilized.

"Underground injection" means the subsurface emplacement of fluids through a bored, drilled or driven well; or through a dug well, where the depth of the dug well is greater than the largest

surface dimension. (See also "injection well".)

"Underground tank" means a device meeting the definition of "tank" whose entire surface area is totally below the surface of and covered by the ground.

"Unfit-for-use tank system" means a tank system that has been determined through an integrity assessment or other inspection to be no longer capable of storing or treating hazardous waste without posing a threat of release of hazardous waste to the environment.

"Uppermost aquifer" means the geologic formation nearest the natural ground surface that is an aquifer, as well as lower aquifers that are hydraulically interconnected with this aquifer within the facility's property boundary.

"United States" means the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands.

"Unsaturated zone" or "zone of aeration" means the zone between the land surface and the water table.

"USEPA" means United States Environmental Protection Agency.

"Used oil" means any oil that has been refined from crude oil, or any synthetic oil, that has been used and as a result of such use is contaminated by physical or chemical impurities.

"Vessel" includes every description of watercraft, used or capable of being used as a means of transportation on the water.

"Wastewater treatment unit" means a device which:

Is part of a wastewater treatment facility which has an NPDES permit pursuant to 35 Ill. Adm. Code 309 or a pretreatment permit or authorization to discharge pursuant to 35 Ill. Adm. Code 310; and

Receives and treats or stores an influent wastewater which is a hazardous waste as defined in 35 Ill. Adm. Code 721.103, or generates and accumulates a wastewater treatment sludge which is a hazardous waste as defined in 35 Ill. Adm. Code 721.103, or treats or stores a wastewater treatment sludge which is a hazardous waste as defined in 35 Ill. Adm. Code 721.103; and

Meets the definition of tank or tank system in this Section.

"Water (bulk shipment)" means the bulk transportation of hazardous waste which is loaded or carried on board a vessel without containers or labels.

"Well" means any shaft or pit dug or bored into the earth, generally of a cylindrical form, and often walled with bricks or tubing to prevent the earth from caving in.

"Well injection" (See "underground injection").

"Zone of engineering control" means an area under the control of the owner or operator that, upon detection of a hazardous waste release, can be readily cleaned up prior to the release of hazardous waste or hazardous constituents to groundwater or surface water.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 720.111 References

a) The following publications are incorporated by reference:

ANSI. Available from the American National Standards Institute, 1430 Broadway, New York, New York 10018, (212) 354-3300:

ANSI B31.3 and B31.4. See ASME/ANSI B31.3 and B31.4

ACI. Available from the American Concrete Institute, Box 19150, Redford Station, Detroit, Michigan 48219:

ACI 318-83: "Building Code Requirements for Reinforced Concrete", adopted September, 1983.

API. Available from the American Petroleum Institute, 1220 L Street, N.W., Washington, D.C. 20005, (202) 682-8000:

"Guide for Inspection of Refinery Equipment, Chapter XIII, Atmospheric and Low Pressure Storage Tanks," 4th Edition, 1981, reaffirmed December, 1987.

"Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems," API Recommended Practice 1632, Second Edition, December, 1987.

"Installation of Underground Petroleum Storage Systems," API Recommended Practice 1615, Fourth Edition, November, 1987.

APTI. Available from the Air and Waste Management Association, Box 2861, Pittsburgh, PA 15230, (412) 232-3444:

APTI Course 415: Control of Gaseous Emissions, EPA Publication EPA-450/2-81-005, December, 1981.

ASME. Available from the American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, (212) 705-7722:

"Chemical Plant and Petroleum Refinery Piping", ASME/ANSI B31.3-1987, as supplemented by B31.3a-1988 and B31.3b-1988. Also available from ANSI.

"Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and

Alcohols", ASME/ANSI B31.4-1986, as supplemented by B31.4a-1987. Also available from ANSI.

ASTM. Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, (215) 299-5400:

ASTM C94-90, Standard Specification for Ready-Mixed Concrete, approved March 30, 1990.

ASTM D88-87, Standard Test Method for Saybolt Viscosity, April 24, 1981, reapproved January, 1987.

ASTM D93-85, Standard Test Methods for Flash Point by Pensky-Martens Closed Tester, approved October 25, 1985.

ASTM D1946-90, Standard Practice for Analysis of Reformed Gas by Gas Chromatography, Approved March 30, 1990.

ASTM D2161-87, Standard Practice for Conversion of Kinematic Viscosity to Saybolt Universal or to Saybolt Furol Viscosity, March 27, 1987.

ASTM D2267-88, Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography, approved November 17, 1988.

ASTM D2382-88, Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High Precision Method), approved October 31, 1988.

ASTM D2879-86, Standard Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope, approved October 31, 1986.

ASTM D3828-87, Standard Test Methods for Flash Point of Liquids by Setaflash Closed Tester, approved December 14, 1988.

ASTM E168-88, Standard Practices for General Techniques of Infrared Quantitative Analysis, approved May 27, 1988.

ASTM E169-87, Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis, approved February 1, 1987.

ASTM E260-85, Standard Practice for Packed Column Gas Chromatography, approved June 28, 1985.

ASTM Method G21-70 (1984a) -- Standard Practice for Determining Resistance of Synthetic Polymer Materials to Fungi

ASTM Method G22-76 (1984b) -- Standard Practice for Determining Resistance of Plastics to Bacteria.

GPO. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20401, (202) 783-3238:

Standard Industrial Classification Manual (1972), and 1977 Supplement, republished in 1983

NACE. Available from the National Association of Corrosion Engineers, 1400 South Creek Dr., Houston, TX 77084, (713) 492-0535:

"Control of External Corrosion on Metallic Buried, Partially Buried, or Submerged Liquid Storage Systems", NACE Recommended Practice RP0285-85, approved March, 1985.

NFPA. Available from the National Fire Protection Association, Batterymarch Park, Boston, MA 02269, (617) 770-3000 or (800) 344-3555:

"Flammable and Combustible Liquids Code" NFPA 30, issued July 17, 1987. Also available from ANSI.

NTIS. Available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, (703) 487-4600:

"Generic Quality Assurance Project Plan for Land Disposal Restrictions Program", EPA/530-SW-87-011, March 15, 1987. (Document number PB 88-170766.)

"Guidance on Air Quality Models", Revised 1986. (Document number PB86-245-248 (Guideline) and PB88-150-958 (Supplement)).

"Methods for Chemical Analysis of Water and Wastes", Third Edition, March, 1983. (Document number PB 84-128677).

"Methods Manual for Compliance with BIF Regulations", December, 1990. (Document number PB91-120-006).

"Petitions to Delist Hazardous Wastes -- A Guidance Manual", EPA/530-SW-85-003, April, 1985. (Document Number PB 85-194488).

"Procedures Manual for Ground Water Monitoring at Solid Waste Disposal Facilities", EPA-530/SW-611, 1977. (Document number PB 84-174820).

"Screening Procedures for Estimating the Air Quality Impact of Stationary Sources", August, 1988 (Document number PB89-159396).

"Test Methods for Evaluating Solid Waste,

Physical/Chemical Methods," EPA Publication number SW-846 (Second Edition, 1982 as amended by Update I (April, 1984) and Update II (April, 1985)) (Document number PB 87-120291).

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication number SW-846 (Third Edition, September 1986 (Document number PB88-239223) as amended by Revision I (December 1987) and First Update, January, 1988) (Document Number PB89148076)).

STI. Available from the Steel Tank Institute, 728 Anthony Trail, Northbrook, IL 60062, (312) 498-1980:

"Standard for Dual Wall Underground Steel Storage Tanks" (1986).

USEPA. Available from United States Environmental Protection Agency, Office of Drinking Water, State Programs Division, WH 550 E, Washington, D.C. 20460:

"Technical Assistance Document: Corrosion, Its Detection and Control in Injection Wells", EPA 570/9-87-002, August, 1987.

USEPA. Available from USEPA, Number F-90-WPWF-FFFFF, Room M2427, 401 M Street SW, Washington, D.C. 20460, (202) 475-9327:

"Test Method 8290: Procedures for the Detection and Measurement of PCDDs and PCDFs", EPA/530-SW-91-019 (January, 1991)

b) Code of Federal Regulations. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20401, (202) 783-3238:

10 CFR 20, Appendix B (199~~1~~2)

40 CFR 51.100(ii) (199~~1~~2)

40 CFR 60 (199~~1~~2)

40 CFR 61, Subpart V (199~~1~~2)

40 CFR 136 (199~~1~~2)

40 CFR 142 (199~~1~~2)

40 CFR 220 (199~~1~~2)

40 CFR 260.20 (199~~1~~2)

40 CFR 264 (199~~1~~2)

40 CFR 268.Appendix IX (1992)

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40 CFR 302.4, 302.5 and 302.6 (1991~~1~~2)

40 CFR 761 (1991)

c) Federal Statutes

Section 3004 of the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.), as amended through December 31, 1987.

d) This Section incorporates no later editions or amendments.

(Source: Amended at 17 Ill. Reg. , effective November 22, 1993)

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NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Identification and Listing of Hazardous Waste

2) Code Citation: 35 Ill. Adm. Code 721

3)

Section Numbers:	Adopted Action:
721.102	Amendment
721.103	Amendment
721.104	Amendment
721.105	Amendment
721.106	Amendment
721.131	Amendment
721.132	Amendment
721.Appendix B	Amendment
721.Appendix G	Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9193 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

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14) Are there any other amendments pending on this Part? No.

15) Summary and purpose of rule:

The amendments to Part 721 generally concern generic exclusion levels for K061 and K062 nonwastewater HTMR residues. The amendments also concern the definition of hazardous waste.

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 721
IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART A: GENERAL PROVISIONS

Section
721.101 Purpose and Scope
721.102 Definition of Solid Waste
721.103 Definition of Hazardous Waste
721.104 Exclusions
721.105 Special Requirements for Hazardous Waste Generated by Small Quantity Generators
721.106 Requirements for Recyclable Materials
721.107 Residues of Hazardous Waste in Empty Containers
721.108 PCB Wastes Regulated under TSCA

SUBPART B: CRITERIA FOR IDENTIFYING THE CHARACTERISTICS OF HAZARDOUS WASTE AND FOR LISTING HAZARDOUS WASTES

Section
721.110 Criteria for Identifying the Characteristics of Hazardous Waste
721.111 Criteria for Listing Hazardous Waste

SUBPART C: CHARACTERISTICS OF HAZARDOUS WASTE

Section
721.120 General
721.121 Characteristic of Ignitability
721.122 Characteristic of Corrosivity
721.123 Characteristic of Reactivity
721.124 Toxicity Characteristic

SUBPART D: LISTS OF HAZARDOUS WASTE

Section
721.130 General
721.131 Hazardous Wastes From Nonspecific Sources
721.132 Hazardous Waste from Specific Sources
721.133 Discarded Commercial Chemical Products, Off-Specification Species, Container Residues and Spill Residues Thereof
721.135 Wood Preserving Wastes

721.Appendix A Representative Sampling Methods
721.Appendix B Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)
721.Appendix C Chemical Analysis Test Methods
Table A Analytical Characteristics of Organic Chemicals (Repealed)
Table B Analytical Characteristics of Inorganic Species (Repealed)
Table C Sample Preparation/Sample Introduction Techniques (Repealed)
721.Appendix G Basis for Listing Hazardous Wastes
721.Appendix H Hazardous Constituents
721.Appendix I Wastes Excluded under Section 720.120 and 720.122
Table A Wastes Excluded from Non-Specific Sources
Table B Wastes Excluded from Specific Sources
Table C Wastes Excluded From Commercial Chemical Products, Off-Specification Species, Container Residues, and Soil Residues Thereof

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Table D	Wastes Excluded by Adjusted Standard
721.Appendix J	Method of Analysis for Chlorinated Dibenzo-p-Dioxins and Dibenzofurans
721.Appendix Z	Table to Section 721.102

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27]).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 31, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R82-19, 53 PCB 131, at 7 Ill. Reg. 13999, effective October 12, 1983; amended in R84-34, 61 PCB 247, at 8 Ill. Reg. 24562, effective December 11, 1984; amended in R84-9, at 9 Ill. Reg. 11834, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 998, effective January 2, 1986; amended in R85-2 at 10 Ill. Reg. 8112, effective May 2, 1986; amended in R86-1 at 10 Ill. Reg. 14002, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20647, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6035, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13466, effective August 4, 1987; amended in R87-32 at 11 Ill. Reg. 16698, effective September 30, 1987; amended in R87-5 at 11 Ill. Reg. 19303, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2456, effective January 15, 1988; amended in R87-30 at 12 Ill. Reg. 12070, effective July 12, 1988; amended in R87-39 at 12 Ill. Reg. 13006, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 382, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18300, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14401, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16472, effective September 25, 1990; amended in R90-17 at 15 Ill. Reg. 7950, effective May 9, 1991; amended in R90-11 at 15 Ill. Reg. 9332, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14473, effective September 30, 1991; amended in R91-12 at 16 Ill. Reg. 2155, effective January 27, 1992; amended in R91-26 at 16 Ill. Reg. 2600, effective February 3, 1992; amended in R91-13 at 16 Ill. Reg. 9519, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17666, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5650, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. _____, effective November 22, 1993

SUBPART A: GENERAL PROVISIONS

Section 721.102 Definition of Solid Waste

a) Solid waste.

1) A solid waste is any discarded material that is not excluded by Section 721.104(a) or that is not excluded pursuant to 35 Ill. Adm. Code 720.130 and 720.131.

2) A discarded material is any material which is:

A) Abandoned, as explained in subsection (b), below; or

B) Recycled, as explained in subsection (c), below; or

C) Considered inherently waste-like, as explained in subsection (d), below.

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b) Materials are solid waste if they are abandoned by being:

1) Disposed of; or

2) Burned or incinerated; or

3) Accumulated, stored or treated (but not recycled) before or in lieu of being abandoned by being disposed of, burned or incinerated.

c) Materials are solid wastes if they are recycled -- or accumulated, stored or treated before recycling -- as specified in subsections (c)(1) through (4), below, if they are:

1) Used in a manner constituting disposal.

A) Materials noted with a "yes" in column 1 of table in Section 721.Appendix Z are solid wastes when they are:

i) Applied to or placed on the land in a manner that constitutes disposal; or

ii) Used to produce products that are applied to or placed on the land or are otherwise contained in products that are applied to or placed on the land (in which cases the product itself remains a solid waste).

B) However, commercial chemical products listed in Section 721.133 are not solid wastes if they are applied to the land and that is their ordinary manner of use.

2) Burned for energy recovery.

A) Materials noted with a "yes" in column 2 of table in Section 721.Appendix Z are solid wastes when they are:

i) burned to recover energy;

ii) Used to produce a fuel or are otherwise contained in fuels (in which case the fuel itself remains a solid waste);

iii) Contained in fuels (in which case the fuel itself remains a solid waste).

B) However, commercial chemical products listed in Section 721.133 are not solid wastes if they are themselves fuels.

3) Reclaimed. Materials noted with a "yes" in column 3 of table in Section 721.Appendix Z are solid wastes when reclaimed.

4) Accumulated speculatively. Materials noted with "yes" in column 4 of table in Section 721.Appendix Z are solid wastes when accumulated speculatively.

d) Inherently waste-like materials. The following materials are solid wastes when they are recycled in any manner:

1) Hazardous waste numbers F020, F021 (unless used as an ingredient to make a product at the site of generation), F022, F023, F026 and F028.

2) Secondary materials fed to a halogen acid furnace that exhibit a characteristic of a hazardous waste or are listed as a hazardous waste as defined in Subparts C or D, except for brominated material which meets the following criteria:

A) The material must contain a bromine concentration of at least 45%; and

B) The material must contain less than a total of 1% of toxic organic compounds listed in Section 721.Appendix H; and

C) The material is processed continually on-site in the halogen acid furnace via direct conveyance (hard piping).

3) The following criteria are used to add wastes to the list:

A) Disposal method or toxicity.

i) The materials are ordinarily disposed of, burned or incinerated; or

ii) The materials contain toxic constituents listed in Section 721.Appendix H and these constituents are not ordinarily found in raw materials or products for which the materials substitute (or are found in raw materials or products in smaller concentrations) and are not used or reused during the recycling process; and

B) The material may pose a substantial hazard to human health and the environment when recycled.

e) Materials that are not solid waste when recycled.

1) Materials are not solid wastes when they can be shown to be recycled by being:

A) Used or reused as ingredients in an industrial process to make a product, provided the materials are not being reclaimed; or

B) Used or reused as effective substitutes for commercial products; or

C) Returned to the original process from which they are generated, without first being reclaimed. The materials must be returned as a substitute for raw materials feedstock, and the process must use raw materials as principal feedstocks.

2) The following materials are solid wastes, even if the recycling involves use, reuse or return to the original process (described in subsections (e) (1) (A) - (C) , above:

A) Materials used in a manner constituting disposal, or used to produce products that are applied to the land; or

B) Materials burned for energy recovery, used to produce a fuel or contained in fuels; or

C) Materials accumulated speculatively; or

D) Materials listed in subsections (d)(1) and (d)(2), above.

f) Documentation of claims that materials are not solid wastes or are conditionally exempt from regulation. Respondents in actions to enforce regulations implementing Subtitle C of the Resource Conservation Recovery Act or Section 21 of the Environmental Protection Act who raise a claim that a certain material is not a solid waste, or is conditionally exempt from regulation must demonstrate that there is a known market or disposition for the material, and that they meet the terms of the exclusion or exemption. In doing so, they must provide appropriate documentation (such as contracts showing that a second person uses the material as an ingredient in a production process) to demonstrate that the material is not a waste, or is exempt from regulation. In addition, owners or operators of facilities claiming that they actually are recycling materials must show that they have the necessary equipment to do so.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.103 Definition of Hazardous Waste

a) A solid waste, as defined in Section 721.102, is a hazardous waste if:

1) It is not excluded from regulation as a hazardous waste under Section 721.104(b); and

2) It meets any of the following criteria:

A) It exhibits any of the characteristics of hazardous waste identified in 721.Subpart C. Except that any mixture of a waste from the extraction, beneficiation or processing of ores or minerals excluded under Section 721.104(b)(7) and any other solid waste exhibiting a characteristic of hazardous waste under 721.Subpart C is a hazardous waste only: if it exhibits a characteristic that would not have been exhibited by the excluded waste alone if such mixture had not occurred; or, if it continues to exhibit any of the characteristics exhibited by the non-excluded wastes prior to mixture. Further, for the purposes of applying the toxicity characteristic to such mixtures, the mixture is also a hazardous waste: if it exceeds

the maximum concentration for any contaminant listed in Section 721.124 that would not have been exceeded by the excluded waste alone if the mixture had not occurred; or, if it continues to exceed the maximum concentration for any contaminant exceeded by the nonexempt waste prior to mixture.

B) It is listed in 721.Subpart D and has not been excluded from the lists in 721.Subpart under 35 Ill. Adm. Code 720.120 and 720.122.

C) It is a mixture of a solid waste and a hazardous waste that is listed in 721.Subpart D solely because it exhibits one or more of the characteristics of hazardous waste identified in 721.Subpart C, unless the resultant mixture no longer exhibits any characteristic of hazardous waste identified in 721.Subpart C, or unless the solid waste: is excluded from regulation under Section 721.104(b)(7); and, the resultant mixture no longer exhibits any characteristic of hazardous waste identified in 721.Subpart C for which the hazardous waste listed in 721.Subpart D was listed. (However, nonwastewater mixtures are still subject to the requirements of 35 Ill. Adm. Code 728, even if they no longer exhibit a characteristic at the point of land disposal).

D) It is a mixture of solid waste and one or more hazardous wastes listed in 721.Subpart D and has not been excluded from this subsection (a)(2) under 35 Ill. Adm. Code 720.120 and 720.122; however, the following mixtures of solid wastes and hazardous wastes listed in 721.Subpart D are not hazardous wastes (except by application of subsection (a)(2)(A) or (B) above) if the generator demonstrates that the mixture consists of wastewater the discharge of which is subject to regulation under either 35 Ill. Adm. Code 309 or 310 (including wastewater at facilities which have eliminated the discharge of wastewater) and:

i) One or more of the following solvents listed in Section 721.131 - carbon tetrachloride, tetrachloroethylene, trichloroethylene - provided that the maximum total weekly usage of these solvents (other than the amounts that can be demonstrated not to be discharged to wastewater) divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or pretreatment system does not exceed 1 part per million; or

ii) One or more of the following spent solvents listed in Section 721.131 - methylene chloride, 1,1,1 - trichloroethane, chlorobenzene, o-dichlorobenzene, cresols, cresylic acid, nitrobenzene, toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, spent

chlorofluorocarbon solvents - provided that the maximum total weekly usage of these solvents (other than the amounts that can be demonstrated not to be discharged to wastewater) divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or pretreatment system does not exceed 25 parts per million; or

iii) One of the following wastes listed in Section 721.132 - heat exchanger bundle cleaning sludge from the petroleum refining industry (EPA Hazardous Waste No. K050); or

iv) A discarded commercial chemical product, or chemical intermediate listed in Section 721.133, arising from de minimis losses of these materials from manufacturing operations in which these materials are used as raw materials or are produced in the manufacturing process. For purposes of this subsection, "de minimis" losses include those from normal material handling operations (e.g., spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials); minor leaks of process equipment, storage tanks or containers; leaks from well-maintained pump packings and seals; sample purgings; relief device discharges; discharges from safety showers and rinsing and cleaning of personal safety equipment; and rinsate from empty containers or from containers that are rendered empty by that rinsing; or

v) Wastewater resulting from laboratory operations containing toxic (T) wastes listed in Subpart D of this Part, provided that the annualized average flow of laboratory wastewater does not exceed one percent of total wastewater flow into the headworks of the facility's wastewater treatment or pretreatment system, or provided that the wastes combined annualized average concentration does not exceed one part per million in the headworks of the facility's wastewater treatment or pretreatment facility. Toxic (T) wastes used in laboratories that are demonstrated not to be discharged to wastewater are not to be included in this calculation.

E) Rebuttable presumption for used oil. Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in 721.Subpart D. Persons may rebut this presumption by demonstrating that the used oil does not contain hazardous waste (for example, by using an analytical method from SW-846, Edition III, to show that the used

oil does not contain significant concentrations of halogenated hazardous constituents listed in 721.Appendix H). USEPA Publication SW-846, Third Edition, is available for the cost of $110.00 from the Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, (202) 783-3238 (document number 955-001-00000-1).

i) The rebuttable presumption does not apply to metalworking oils or fluids containing chlorinated paraffins, if they are processed, through a tolling arrangement as described in 35 Ill. Adm. Code 739.124(c), to reclaim metalworking oils or fluids. The presumption does apply to metalworking oils or fluids if such oils or fluids are recycled in any other manner, or disposed.

ii) The rebuttable presumption does not apply to used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units where the CFCs are destined for reclamation. The rebuttable presumption does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

b) A solid waste which is not excluded from regulation under subsection (a)(1) above becomes a hazardous waste when any of the following events occur:

1) In the case of a waste listed in Subpart D of this Part, when the waste first meets the listing description set forth in Subpart D of this Part.

2) In the case of a mixture of solid waste and one or more listed hazardous wastes, when a hazardous waste listed in Subpart D of this Part is first added to the solid waste.

3) In the case of any other waste (including a waste mixture), when the waste exhibits any of the characteristics identified in Subpart C of this Part.

c) Unless and until it meets the criteria of subsection (d) below:

1) A hazardous waste will remain a hazardous waste.

2) Specific inclusions and exclusions.

A) Except as otherwise provided in subsection (c)(2)(B) below, any solid waste generated from the treatment, storage or disposal of a hazardous waste, including any sludge, spill residue, ash, emission control dust or leachate (but not including precipitation run-off), is a hazardous waste. (However, materials that are reclaimed from solid wastes and that are used beneficially are not solid wastes and hence are not

hazardous wastes under this provision unless the reclaimed material is burned for energy recovery or used in a manner constituting disposal.)

B) The following solid wastes are not hazardous even though they are generated from the treatment, storage or disposal of a hazardous waste, unless they exhibit one or more of the characteristics of hazardous waste:

i) Waste pickle liquor sludge generated by lime stabilization of spent pickle liquor from the iron and steel industry (SIC Codes 331 and 332) (Standard Industrial Codes, as defined and incorporated by reference in 35 Ill. Adm. Code 720.110 and 720.111).

ii) Wastes from burning any of the materials exempted from regulation by Section 721.106(a)(3)(E), (F), (G) or (H).

iii) Nonwastewater residues, such as slag, resulting from high temperature metal recovery (HTMR) processing of K061, K062 or F006 waste, in units identified, that are disposed of in non-hazardous waste units, provided that these residues meet the generic exclusion levels identified ~~below~~in the tables in this subsection for all constituents, and exhibit no characteristics of hazardous waste. The types of units are: rotary kilns, flame reactors, electric furnaces, plasma arc furnaces, slag reactors, rotary hearth furnace/electric furnace combinations or the following types of industrial furnaces (as defined in 35 Ill. Adm. Code 720.110): blast furnaces, smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, reverberator furnaces, sintering machines, roasters and foundry furnaces), and other furnaces designated by the Agency pursuant to that definition. Testing requirements must be incorporated in a facility's waste analysis plan or a generator's self-implementing waste analysis plan; at a minimum, composite samples of residues must be collected and analyzed quarterly and when the process or operation generating the waste changes. Persons claiming this exclusion in an enforcement action will have the burden of proving by clear and convincing evidence that the material meets all of the exclusion requirements. The generic exclusion levels are:

Constituent	Maximum for any single composite sample (mg/L)

Generic exclusion levels for K061 and K062 nonwastewater HTMR residues.

Antimony	0.10
Arsenic	0.50
Barium	7.6
Beryllium	0.010
Cadmium	0.050
Chromium (total)	0.33
Lead	0.15
Mercury	0.009
Nickel	1.0
Selenium	0.16
Silver	0.30
Thallium	0.020
Vanadium	1.26
Zinc	70.

Generic exclusion levels for F006 nonwastewater HTMR residues

Antimony	0.10
Arsenic	0.50
Barium	7.6
Beryllium	0.010
Cadmium	0.050
Chromium (total)	0.33
Cyanide (total) (mg/kg)	1.8
Lead	0.15
Mercury	0.009
Nickel	1.0
Selenium	0.16
Silver	0.30
Thallium	0.020
Zinc	70

~~For each shipment of K061 HTMR residues sent to a nonhazardous waste management unit, a notification and certification must be sent to the Agency (or, for out-of-State shipments, to the appropriate Regional Administrator of USEPA or state agency authorized to implement 40 CFR 268 requirements).~~A one-time notification and certification must be placed in the facility's files and sent to the Agency (or, for out-of-State shipments, to the appropriate Regional Administrator of USEPA or state agency authorized to implement 40 CFR 268 requirements) for K061, K062 or F006 HTMR residues that meet the generic exclusion levels for all constituents and do not exhibit any characteristics that are sent to RCRA Subtitle D units. The notification and certification that is placed in the generators or treaters files must be updated if the process or operation generating the waste changes or if the RCRA Subtitle D unit receiving the waste changes. However, the generator or treater need only notify the Agency on an annual basis if such changes occur. Such notification and certification should be sent to the Agency by

the end of the calendar year, but no later than December 31. The notification must include the following information: The name and address of the nonhazardous waste management unit receiving the waste shipment; The USEPA hazardous waste number and treatability group at the initial point of generation; The treatment standards applicable to the waste at the initial point of generation. The certification must be signed by an authorized representative and must state as follows:

"I certify under penalty of law that the generic exclusion levels for all constituents have been met without impermissible dilution and that no characteristic of hazardous waste is exhibited. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

BOARD NOTE. The generic exclusion levels for arsenic and zinc are higher than the HTMR based alternative treatment standards for K062 and F006, and HTMR based treatment standards for K061, specified in 35 Ill. Adm. Code 728.141. However, the HTMR residues must meet the applicable treatment standards prior to generic exclusion. Therefore, to be eligible for a generic exclusion, the treated residues must meet the lower of either the treatment standards or the generic exclusion levels for each constituent.

d) Any solid waste described in subsection (c) above is not a hazardous waste if it meets the following criteria:

1) In the case of any solid waste, it does not exhibit any of the characteristics of hazardous waste identified in Subpart C of this Part. (However, wastes which exhibit a characteristic at the point of generation may still be subject to the requirements of 35 Ill. Adm. Code 728, even if they no longer exhibit a characteristic at the point of land disposal.)

2) In the case of a waste which is a listed waste under Subpart D of this Part, contains a waste listed under Subpart D of this Part or is derived from a waste listed in Subpart D of this Part, it also has been excluded from subsection (c) above under 35 Ill. Adm. Code 720.120 and 720.122.

e) This subsection corresponds with 40 CFR 261.3(e), a subsection which has been deleted from the federal regulations. This statement maintains structural consistency with USEPA rules.

f) Notwithstanding subsections (a) through (d) above and provided the debris as defined in 35 Ill. Adm. Code 728 does not exhibit a characteristic identified at 721.Subpart C, the following materials are not subject to regulation under 35 Ill. Adm. Code

720, 721 to 726, 728, or 730:

1) Hazardous debris as defined in 35 Ill. Adm. Code 728 that has been treated using one of the required extraction or destruction technologies specified in Table A of 35 Ill. Adm. Code 728.145; persons claiming this exclusion in an enforcement action will have the burden of proving by clear and convincing evidence that the material meets all of the exclusion requirements; or

2) Debris as defined in 35 Ill. Adm. Code 728 that the Agency, considering the extent of contamination, has determined is no longer contaminated with hazardous waste.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.104 Exclusions

a) Materials which are not solid wastes. The following materials are not solid wastes for the purpose of this Part:

1) Sewage:

A) Domestic sewage; and

B) Any mixture of domestic sewage and other waste that passes through a sewer system to publicly-owned treatment works for treatment. "Domestic sewage" means untreated sanitary wastes that pass through a sewer system.

2) Industrial wastewater discharges that are point source discharges with NPDES permits issued by the Agency pursuant to Section 12(f) of the Environmental Protection Act and 35 Ill. Adm. Code 309.

BOARD NOTE: This exclusion applies only to the actual point source discharge. It does not exclude industrial wastewaters while they are being collected, stored or treated before discharge, nor does it exclude sludges that are generated by industrial wastewater treatment.

3) Irrigation return flows.

4) Source, special nuclear or by-product material as defined by the Atomic Energy Act of 1954, as amended (42 U.S.C. 2011 et seq.)

5) Materials subjected to in-situ mining techniques which are not removed from the ground as part of the extraction process.

6) Pulping liquors (i.e., black liquor) that are reclaimed in a pulping liquor recovery furnace and then reused in the pulping process, unless accumulated speculatively as defined in Section 721.101(c);

7) Spent sulfuric acid used to produce virgin sulfuric acid,

unless it is accumulated speculatively as defined in Section 721.101(c).

8) Secondary materials that are reclaimed and returned to the original process or processes in which they were generated where they are reused in the production process, provided:

A) Only tank storage is involved, and the entire process through completion of reclamation is closed by being entirely connected with pipes or other comparable enclosed means of conveyance;

B) Reclamation does not involve controlled flame combustion (such as occurs in boilers, industrial furnaces or incinerators);

C) The secondary materials are never accumulated in such tanks for over twelve months without being reclaimed; and

D) The reclaimed material is not used to produce a fuel, or used to produce products that are used in a manner constituting disposal.

9) Wood preserving wastes.

A) Spent wood preserving solutions that have been used and are reclaimed and reused for their original intended purpose; and

B) Wastewaters from the wood preserving process that have been reclaimed and are reused to treat wood.

10) Hazardous waste number K060, K087, K141, K142, K143, K144, K145, K147, and K148, and any wastes from the coke by-products processes which are hazardous only because they exhibit the toxicity characteristic specified in Section 721.124, when, subsequent to generation, these materials are recycled to coke ovens, to the tar recovery process as a feedstock to produce coal tar or are mixed with coal tar prior to the tar's sale or refining. This exclusion is conditioned on there being no land disposal of the wastes from the point they are generated to the point they are recycled to coke ovens or tar recovery or the tar refining processes, or mixed with coal.

11) Nonwastewater splash condenser dross residue from the treatment of K061 in high temperature metals recovery units, provided it is shipped in drums (if shipped) and not land disposed before recovery.

b) Solid wastes which are not hazardous wastes. The following solid wastes are not hazardous wastes:

1) Household waste, including household waste that has been collected, transported, stored, treated, disposed, recovered (e.g., refuse-derived fuel) or reused. "Household waste" means any waste material (including garbage, trash and

sanitary wastes in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds and day-use recreation areas). A resource recovery facility managing municipal solid waste shall not be deemed to be treating, storing, disposing of or otherwise managing hazardous wastes for the purposes of regulation under this Part, if such facility:

A) Receives and burns only:

i) Household waste (from single and multiple dwellings, hotels, motels and other residential sources) and

ii) Solid waste from commercial or industrial sources that does not contain hazardous waste; and

B) Such facility does not accept hazardous waste and the owner or operator of such facility has established contractual requirements or other appropriate notification or inspection procedures to assure that hazardous wastes are not received at or burned in such facility.

2) Solid wastes generated by any of the following and which are returned to the soil as fertilizers:

A) The growing and harvesting of agricultural crops.

B) The raising of animals, including animal manures.

3) Mining overburden returned to the mine site.

4) Fly ash waste, bottom ash waste, slag waste and flue gas emission control waste generated primarily from the combustion of coal or other fossil fuels, except as provided in 35 Ill. Adm. Code 726.212 for facilities that burn or process hazardous waste.

5) Drilling fluids, produced waters, and other wastes associated with the exploration, development, or production of crude oil, natural gas or geothermal energy.

6) Chromium wastes:

A) Wastes which fail the test for the toxicity characteristic (Sections 721.124 and 721.Appendix B) because chromium is present or are listed in Subpart D of this Part due to the presence of chromium, which do not fail the test for the toxicity characteristic for any other constituent or are not listed due to the presence of any other constituent, and which do not fail the test for any other characteristic, if it is shown by a waste generator or by waste generators that:

i) The chromium in the waste is exclusively (or nearly exclusively) trivalent chromium; and

ii) The waste is generated from an industrial process which uses trivalent chromium exclusively (or nearly exclusively) and the process does not generate hexavalent chromium; and

iii) The waste is typically and frequently managed in non-oxidizing environments.

B) Specific wastes which meet the standard in subsections (b)(6)(A)(i), (ii) and (iii), above, (so long as they do not fail the test for the toxicity characteristic for any other constituent and do not exhibit any other characteristic) are:

i) Chrome (blue) trimmings generated by the following subcategories of the leather tanning and finishing industry; hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

ii) Chrome (blue) shavings generated by the following subcategories of the leather tanning and finishing industry; hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

iii) Buffing dust generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue.

iv) Sewer screenings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

v) Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

vi) Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; and through-the-blue.

vii) Waste scrap leather from the leather tanning industry, the shoe manufacturing industry, and other leather product manufacturing industries.

viii) Wastewater treatment sludges from the production of titanium dioxide pigment using chromium-bearing ores by the chloride process.

7) Solid waste from the extraction, beneficiation and processing of ores and minerals (including coal, phosphate rock and overburden from the mining of uranium ore), except as provided by 35 Ill. Adm. Code 726.212 for facilities that burn or process hazardous waste. For purposes of this subsection, beneficiation of ores and minerals is restricted to the following activities: crushing, grinding, washing, dissolution, crystallization, filtration, sorting, sizing, drying, sintering, pelletizing, briquetting, calcining to remove water or carbon dioxide, roasting, autoclaving or chlorination in preparation for leaching (except where the roasting or autoclaving or chlorination)/leaching sequence produces a final or intermediate product that does not undergo further beneficiation or processing), gravity concentration, magnetic separation, electrostatic separation, floatation, ion exchange, solvent extraction, electrowinning, precipitation, amalgamation, and heap, dump, vat tank and in situ leaching. For the purposes of this subsection, solid waste from the processing of ores and minerals includes only the following wastes:

A) Slag from primary copper processing;

B) Slag from primary lead processing;

C) Red and brown muds from bauxite refining;

D) Phosphogypsum from phosphoric acid production;

E) Slag from elemental phosphorus production;

F) Gasifier ash from coal gasification;

G) Process wastewater from coal gasification;

H) Calcium sulfate wastewater treatment plant sludge from primary copper processing;

I) Slag tailings from primary copper processing;

J) Fluorogypsum from hydrofluoric acid production;

K) Process wastewater from hydrofluoric acid production;

L) Air pollution control dust/sludge from iron blast furnaces;

M) Iron blast furnace slag;

N) Treated residue from roasting/leaching of chrome ore;

O) Process wastewater from primary magnesium processing by the anhydrous process;

P) Process wastewater from phosphoric acid production;

Q) Basic oxygen furnace and open hearth furnace air pollution control dust/sludge from carbon steel production;

R) Basic oxygen furnace and open hearth furnace slag from carbon steel production;

S) Chloride processing waste solids from titanium tetrachloride production; and,

T) Slag from primary zinc smelting.

8) Cement kiln dust waste, except as provided by 35 Ill. Adm. Code 726.212 for facilities that burn or process hazardous waste.

9) Solid waste which consists of discarded arsenical-treated wood or wood products which fails the test for the toxicity characteristic for hazardous waste codes D004 through D017 and which is not a hazardous waste for any other reason if the waste is generated by persons who utilize the arsenical-treated wood and wood products for these materials' intended end use.

10) Petroleum-contaminated media and debris that fail the test for the toxicity characteristic of Section 721.124 (hazardous waste codes D018 through D043 only) and are subject to corrective action regulations under 35 Ill. Adm. Code 731.

11) Injected groundwater that is hazardous only because it exhibits the toxicity characteristic (USEPA hazardous waste codes D018 through D024 only) in Section 721.124 that is reinjected through an underground injection well pursuant to free phase hydrocarbon recovery operations undertaken at petroleum refineries, petroleum marketing terminals petroleum bulk plants, petroleum pipelines and petroleum spill sites until January 25, 1993. This extension applies to recovery operations in existence, or for which contracts have been issued, on or before March 25, 1991. For groundwater returned through infiltration galleries from such at petroleum refineries, marketing terminals and bulk plants, until October 2, 1991. New operations involving injection wells (beginning after March 25, 1991) will qualify for this compliance date extension (until January 25, 1993) only if:

A) Operations are performed pursuant to a "free product removal report" pursuant to 35 Ill. Adm. Code 731.164; and

B) A copy of the "free product removal report" has been submitted to:

Characteristics Section (OS-333)
USEPA
401 M Street, SW
Washington, D.C. 20460

12) Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment, including mobile air conditioning systems, mobile refrigeration, and commercial and industrial air conditioning and refrigeration systems, which use chlorofluorocarbons as the heat transfer fluid in a refrigeration cycle, provided the refrigerant is reclaimed for further use.

13) This subsection should contain the equivalent of 40 CFR 261.4(b)(13), which USEPA has not yet adopted.

14) This subsection should contain the equivalent of 40 CFR 261.4(b)(14), which USEPA has not yet adopted.

15) Non-terne plated used oil filters which are not mixed with wastes listed in Subpart D of this Part, if these oil filters have been gravity hot-drained using one of the following methods:

A) Puncturing the filter anti-drain back valve or the filter dome end and hot-draining;

B) Hot-draining and crushing;

C) Dismantling and hot-draining; or,

D) Any other equivalent hot-draining method which will remove used oil.

c) Hazardous wastes which are exempted from certain regulations. A hazardous waste which is generated in a product or raw material storage tank, a product or raw material transport vehicle or vessel, a product or raw material pipeline, or in a manufacturing process unit or an associated non-waste-treatment manufacturing unit, is not subject to regulation under 35 Ill. Adm. Code 702, 703, 705 and 722 through 725 and 728 or to the notification requirements of Section 3010 of RCRA until it exits the unit in which it was generated, unless the unit is a surface impoundment, or unless the hazardous waste remains in the unit more than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of product or raw materials.

d) Samples

1) Except as provided in subsection (d)(2) below, a sample of solid waste or a sample of water, soil or air, which is collected for the sole purpose of testing to determine its characteristics or composition, is not subject to any requirements of this Part or 35 Ill. Adm. Code 702, 703, 705 and 722 through 728. The sample qualifies when:

A) The sample is being transported to a laboratory for the purpose of testing; or

B) The sample is being transported back to the sample collector after testing; or

C) The sample is being stored by the sample collector before transport to a laboratory for testing; or

D) The sample is being stored in a laboratory before testing; or

E) The sample is being stored in a laboratory for testing but before it is returned to the sample collector; or

F) The sample is being stored temporarily in the laboratory after testing for a specific purpose (for example, until conclusion of a court case or enforcement action where further testing of the sample may be necessary).

2) In order to qualify for the exemption in subsection (d)(1)(A) and (B) above, a sample collector shipping samples to a laboratory and a laboratory returning samples to a sample collector must:

A) Comply with U.S. Department of Transportation (DOT), U.S. Postal Service (USPS) or any other applicable shipping requirements; or

B) Comply with the following requirements if the sample collector determines that DOT, USPS or other shipping requirements do not apply to the shipment of the sample:

i) Assure that the following information accompanies the sample: The sample collector's name, mailing address and telephone number; the laboratory's name, mailing address and telephone number; the quantity of the sample; the date of the shipment; and a description of the sample.

ii) Package the sample so that it does not leak, spill or vaporize from its packaging.

3) This exemption does not apply if the laboratory determines that the waste is hazardous but the laboratory is no longer meeting any of the conditions stated in subsection (d)(1) above.

e) Treatability study samples.

1) Except as is provided in subsection (e)(2) below, persons who generate or collect samples for the purpose of conducting treatability studies, as defined in 35 Ill. Adm. Code 720.110, are not subject to any requirement of 35 Ill. Adm. Code 721 through 723 or to the notification requirements of Section 3010 of the Resource Conservation

and Recovery Act. Nor are such samples included in the quantity determinations of Section 721.105 and 35 Ill. Adm. Code 722.134(d) when:

A) The sample is being collected and prepared for transportation by the generator or sample collector; or,

B) The sample is being accumulated or stored by the generator or sample collector prior to transportation to a laboratory or testing facility; or

C) The sample is being transported to the laboratory or testing facility for the purpose of conducting a treatability study.

2) The exemption in subsection (e)(1) above is applicable to samples of hazardous waste being collected and shipped for the purpose of conducting treatability studies provided that:

A) The generator or sample collector uses (in "treatability studies") no more than 1000 kg of any non-acute hazardous waste, 1 kg of acute hazardous waste or 250 kg of soils, water or debris contaminated with acute hazardous waste for each process being evaluated for each generated wastestream; and

B) The mass of each shipment does not exceed 1000 kg of non-acute hazardous waste, 1 kg of acute hazardous waste or 250 kg of soils, water or debris contaminated with acute hazardous waste; and

C) The sample must be packaged so that it does not leak, spill or vaporize from its packaging during shipment and the requirements of subsections (e)(2)(C)(i) or (ii), below, are met.

i) The transportation of each sample shipment complies with U.S. Department of Transportation (DOT), U.S. Postal Service (USPS) or any other applicable shipping requirements; or

ii) If the DOT, USPS or other shipping requirements do not apply to the shipment of the sample, the following information must accompany the sample: The name, mailing address and telephone number of the originator of the sample; the name, address and telephone number of the facility that will perform the treatability study; the quantity of the sample; the date of the shipment; and, a description of the sample, including its USEPA hazardous waste number.

D) The sample is shipped to a laboratory or testing facility which is exempt under subsection (f) below, or has an appropriate RCRA permit or interim status.

E) The generator or sample collector maintains the following records for a period ending 3 years after completion of the treatability study:

i) Copies of the shipping documents;

ii) A copy of the contract with the facility conducting the treatability study;

iii) Documentation showing: The amount of waste shipped under this exemption; the name, address and USEPA identification number of the laboratory or testing facility that received the waste; the date the shipment was made; and, whether or not unused samples and residues were returned to the generator.

F) The generator reports the information required in subsection (e)(2)(E)(iii) above in its report under 35 Ill. Adm. Code 722.141.

3) The Agency may grant requests, on a case-by-case basis, for quantity limits in excess of those specified in subsection (e)(2)(A) above, for up to an additional 500 kg of any non-acute hazardous waste, 1 kg of acute hazardous waste and 250 kg of soils, water or debris contaminated with acute hazardous waste, to conduct further treatability study evaluation when: There has been an equipment or mechanical failure during the conduct of the treatability study; there is need to verify the results of a previously conducted treatability study; there is a need to study and analyze alternative techniques within a previously evaluated treatment process; or, there is a need to do further evaluation of an ongoing treatability study to determine final specifications for treatment. The additional quantities allowed are subject to all the provisions in subsections (e)(1) and (e)(2)(B) through (F), above. The generator or sample collector must apply to the Agency and provide in writing the following information:

A) The reason why the generator or sample collector requires additional quantity of sample for the treatability study evaluation and the additional quantity needed;

B) Documentation accounting for all samples of hazardous waste from the wastestream which have been sent for or undergone treatability studies, including the date each previous sample was shipped, the quantity of each previous shipment, the laboratory or testing facility to which it was shipped, what treatability study processes were conducted on each sample shipped, and the available results of each treatability study;

C) A description of the technical modifications or change in specifications which will be evaluated and the expected results;

D) If such further study is being required due to equipment or mechanical failure, the applicant must include information regarding the reason for the failure or breakdown and also include what procedures or equipment have been made to protect against further breakdowns; and,

E) Such other information as the Agency determines is necessary.

4) Final Agency determinations pursuant to this subsection may be appealed to the Board.

f) Samples undergoing treatability studies at laboratories or testing facilities. Samples undergoing treatability studies and the laboratory or testing facility conducting such treatability studies (to the extent such facilities are not otherwise subject to RCRA requirements) are not subject to any requirement of this Part, or of 35 Ill. Adm. Code 702, 703, 705, 722 through 726, and 728, or to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act, provided that the requirements of subsections (f)(1) through (f)(11), below, are met. A mobile treatment unit may qualify as a testing facility subject to subsections (f)(1) through (f)(11), below. Where a group of mobile treatment units are located at the same site, the limitations specified in subsections (f)(1) through (f)(11), below, apply to the entire group of mobile treatment units collectively as if the group were one mobile treatment unit.

1) No less than 45 days before conducting treatability studies, the facility notifies the Agency in writing that it intends to conduct treatability studies under this subsection.

2) The laboratory or testing facility conducting the treatability study has a USEPA identification number.

3) No more than a total of 250 kg of "as received" hazardous waste is subjected to initiation of treatability studies in any single day. "As received" waste refers to the waste as received in the shipment from the generator or sample collector.

4) The quantity of "as received" hazardous waste stored at the facility for the purpose of evaluation in treatability studies does not exceed 1000 kg, the total of which can include 500 kg of soils, water or debris contaminated with acute hazardous waste or 1 kg of acute hazardous waste. This quantity limitation does not include:

A) Treatability study residues; and,

B) Treatment materials (including nonhazardous solid waste) added to "as received" hazardous waste.

5) No more than 90 days have elapsed since the treatability study for the sample was completed, or no more than one year has elapsed since the generator or sample collector shipped the sample to the laboratory or testing facility, whichever

date first occurs.

6) The treatability study does not involve the placement of hazardous waste on the land or open burning of hazardous waste.

7) The facility maintains records for 3 years following completion of each study that show compliance with the treatment rate limits and the storage time and quantity limits. The following specific information must be included for each treatability study conducted:

A) The name, address and USEPA identification number of the generator or sample collector of each waste sample;

B) The date the shipment was received;

C) The quantity of waste accepted;

D) The quantity of "as received" waste in storage each day;

E) The date the treatment study was initiated and the amount of "as received" waste introduced to treatment each day;

F) The date the treatability study was concluded;

G) The date any unused sample or residues generated from the treatability study were returned to the generator or sample collector or, if sent to a designated facility, the name of the facility and the USEPA identification number.

8) The facility keeps, on-site, a copy of the treatability study contract and all shipping papers associated with the transport of treatability study samples to and from the facility for a period ending 3 years from the completion date of each treatability study.

9) The facility prepares and submits a report to the Agency by March 15 of each year that estimates the number of studies and the amount of waste expected to be used in treatability studies during the current year, and includes the following information for the previous calendar year:

A) The name, address and USEPA identification number of the facility conducting the treatability studies;

B) The types (by process) of treatability studies conducted;

C) The names and addresses of persons for whom studies have been conducted (including their USEPA identification numbers);

D) The total quantity of waste in storage each day;

E) The quantity and types of waste subjected to treatability studies;

F) When each treatability study was conducted;

G) The final disposition of residues and unused sample from each treatability study;

10) The facility determines whether any unused sample or residues generated by the treatability study are hazardous waste under Section 721.103 and, if so, are subject to 35 Ill. Adm. Code 702, 703 and 721 through 728, unless the residues and unused samples are returned to the sample originator under the subsection (e) exemption above.

11) The facility notifies the Agency by letter when the facility is no longer planning to conduct any treatability studies at the site.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.105 Special Requirements for Hazardous Waste Generated by Small Quantity Generators

a) A generator is a conditionally exempt small quantity generator in a calendar month if it generates no more than 100 kilograms of hazardous waste in that month. 35 Ill. Adm. Code 700 explains the relation of this to the 100 kg/mo exception of 35 Ill. Adm. Code 809.

b) Except for those wastes identified in subsections (e), (f), (g) and (j) below, a conditionally exempt small quantity generator's hazardous wastes are not subject to regulation under 35 Ill. Adm. Code 702, 703, 705 and 722 through 726 and 728, and the notification requirements of Section 3010 of Resource Conservation and Recovery Act, provided the generator complies with the requirements of subsections (f), (g) and (j) below.

c) Hazardous waste that is not subject to regulation or that is subject only to 35 Ill. Adm. Code 722.111, 722.112, 722.140(c) and 722.141 is not included in the quantity determinations of this Part and 35 Ill. Adm. Code 722 through 726 and 728, and is not subject to any requirements of those Parts. Hazardous waste that is subject to the requirements of Section 721.106(b) and (c) and 35 Ill. Adm. Code 726.Subparts C, D and F is included in the quantity determinations of this Part and is subject to the requirements of this Part and 35 Ill. Adm. Code 722 through 726 and 728.

d) In determining the quantity of hazardous waste it generates, a generator need not include:

1) Hazardous waste when it is removed from on-site storage; or

2) Hazardous waste produced by on-site treatment (including reclamation) of its hazardous waste so long as the hazardous waste that is treated was counted once; or,

3) Spent materials that are generated, reclaimed and subsequently reused on-site, so long as such spent materials have been counted once.

e) If a generator generates acute hazardous waste in a calendar month in quantities greater than set forth below, all quantities of that acute hazardous waste are subject to full regulation under 35 Ill. Adm. Code 702, 703, 705 and 722 through 726 and 728, and the notification requirements of Section 3010 of the Resource Conservation and Recovery Act:

1) A total of one kilogram of acute hazardous wastes listed in Sections 721.131, 721.132, or 721.133(e); or

2) A total of 100 kilograms of any residue or contaminated soil, waste or other debris resulting from the clean-up of a spill, into or on any land or water, of any acute hazardous wastes listed in Sections 721.131, 721.132, or 721.133(e).

BOARD NOTE: "Full regulation" means those regulations applicable to generators of greater than 1000 kg of non-acute hazardous waste in a calendar month.

f) In order for acute hazardous wastes generated by a generator of acute hazardous wastes in quantities equal to or less than those set forth in subsection (e)(1) or (e)(2) above to be excluded from full regulation under this Section, the generator must comply with the following requirements:

1) 35 Ill. Adm. Code 722.111.

2) The generator may accumulate acute hazardous waste on-site. If the generator accumulates at any time acute hazardous wastes in quantities greater than set forth in subsections (e)(1) or (e)(2) above, all of those accumulated wastes are subject to regulation under 35 Ill. Adm. Code 702, 703, 705 and 722 through 726 and 728, and the applicable notification requirements of Section 3010 of the Resource Conservation and Recovery Act. The time period of 35 Ill. Adm. Code 722.134(a), for accumulation of wastes on-site, begins when the accumulated wastes exceed the applicable exclusion limit.

3) A conditionally exempt shall quantity generator may either treat or dispose of its acute hazardous waste in an on-site facility, or ensure delivery to an off-site storage, treatment or disposal facility, either of which, if located in the United States, is:

A) Permitted under 35 Ill. Adm. Code 703;

B) In interim status under 35 Ill. Adm. Code 703 and 725;

C) Authorized to manage hazardous waste by a State with a hazardous waste management program approved by USEPA;

D) Permitted, licensed or registered by a State to manage municipal or industrial solid waste; or

E) A facility which:

i) Beneficially uses or reuses or legitimately recycles or reclaims its waste; or

ii) Treats its waste prior to beneficial use or reuse, or legitimate recycling or reclamation.

g) In order for hazardous waste generated by a conditionally exempt small quantity generator in quantities of less than 100 kilograms of hazardous waste during a calendar month to be excluded from full regulation under this Section, the generator must comply with the following requirements:

1) 35 Ill. Adm. Code 722.111;

2) The conditionally exempt small quantity generator may accumulate hazardous waste on-site. If it accumulates at any time more than a total of 1000 kilograms of the generator's hazardous waste, all of those accumulated wastes are subject to regulation under the special provisions of 35 Ill. Adm. Code 722 applicable to generators of between 100 kg and 1000 kg of hazardous waste in a calendar month as well as the requirements of 35 Ill. Adm. Code 702, 703, 705 and 723 through 726 and 728, and the applicable notification requirements of Section 3010 of the Resource Conservation and Recovery Act. The time period of 35 Ill. Adm. Code 722.134(d) for accumulation of wastes on-site begins for a small quantity generator when the accumulated wastes exceed 1000 kilograms;

3) A conditionally exempt small quantity generator may either treat or dispose of its hazardous waste in an on-site facility, or ensure delivery to an off-site storage, treatment or disposal facility, either of which, if located in the United States, is:

A) Permitted under 35 Ill. Adm. Code 702 and 703;

B) In interim status under 35 Ill. Adm. Code 703 and 725;

C) Authorized to manage hazardous waste by a State with a hazardous waste management program approved by USEPA under 40 CFR 271 (1986);

D) Permitted, licensed or registered by a State to manage municipal or industrial solid waste; or

E) A facility which:

i) Beneficially uses or re-uses, or legitimately recycles or reclaims the small quantity generator's waste; or

ii) Treats its waste prior to beneficial use or re-use, or legitimate recycling or reclamation.

h) Hazardous waste subject to the reduced requirements of this

Section may be mixed with non-hazardous waste and remain subject to these reduced requirements even though the resultant mixture exceeds the quantity limitations identified in this Section, unless the mixture meets any of the characteristics of hazardous wastes identified in Subpart C.

i) If a small quantity generator mixes a solid waste with a hazardous waste that exceeds a quantity exclusion level of this Section, the mixture is subject to full regulation.

j) If a conditionally exempt small quantity generator's hazardous wastes are mixed with used oil, the mixture is subject to 35 Ill. Adm. Code ~~726.Subpart E~~739.Subpart G, if it is destined to be burned for energy recovery. Any material produced from such a mixture by processing, blending or other treatment is also so regulated if it is destined to be burned for energy recovery.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.106 Requirements for Recyclable Materials

a) Recyclable materials:

1) Hazardous wastes that are recycled are subject to the requirements for generators, transporters and storage facilities of subsections (b) and (c), below, except for the materials listed in subsections (a)(2) and (3), below. Hazardous wastes that are recycled will be known as "recyclable materials".

2) The following recyclable materials are not subject to the requirements of this Section but are regulated under 35 Ill. Adm. Code 726.Subparts C through H and all applicable provisions in 35 Ill. Adm. Code 702, 703 and 705.

A) Recyclable materials used in a manner constituting disposal (35 Ill. Adm. Code 726.Subpart C);

B) Hazardous wastes burned for energy recovery in boilers and industrial furnaces that are not regulated under 35 Ill. Adm. Code 724 or 725.Subpart O (35 Ill. Adm. Code 726.Subpart H.)

~~C) Used oil that exhibits one or more of the characteristics of hazardous waste and is burned for energy recovery in boilers or industrial furnaces that are not regulated under 35 Ill. Adm. Code 724 or 725.Subpart O. (35 Ill. Adm. Code 726.Subpart E);~~

C~~D~~) Recyclable materials from which precious metals are reclaimed (35 Ill. Adm. Code 726.Subpart F);

D~~E~~) Spent lead-acid batteries that are being reclaimed (35 Ill. Adm. Code 726.Subpart G).

3) The following recyclable materials are not subject to regulation under 35 Ill. Adm. Code 722 through 726, 728, or 702, 703 or 705 and are not subject to the notification

requirements of Section 3010 of the Resource Conservation and Recovery Act:

A) Industrial ethyl alcohol that is reclaimed except that, unless provided otherwise in an international agreement as specified in 35 Ill. Adm. Code 722.158:

i) A person initiating a shipment for reclamation in a foreign country, and any intermediary arranging for the shipment, shall comply with the requirements applicable to a primary exporter in 35 Ill. Adm. Code 722.153, 722.156(a)(1) through (a)(4), (a)(6) and (b), and 722.157, shall export such materiale only upon consent of the receiving country and in conformance with the USEPA Acknowledgement of Consent as defined in 35 Ill. Adm. Code 722.Subpart E, and shall provide a copy of the USEPA Acknowledgement of Consent to the shipment to the transporter transporting the shipment for export;

ii) Transporters transporting a shipment for export shall not accept a shipment if the transporter knows the shipment does not conform to the USEPA Acknowledgement of Consent, shall ensure that a copy of the USEPA Acknowledgement of Consent accompanies the shipment and shall ensure that it is delivered to the facility designated by the person initiating the shipment.

B) Used batteries (or used battery cells) returned to a battery manufacturer for regeneration;

~~C) Used oil that exhibits one or more of the characteristics of hazardous waste but is recycled in some other manner than being burned for energy recovery;~~

C~~D~~) Scrap metal;

D~~E~~) Fuels produced from the refining of oil-bearing hazardous wastes along with normal process streams at a petroleum refining facility if such wastes result from normal petroleum refining, production and transportation practices;

E~~F~~) Oil reclaimed from hazardous waste resulting from normal petroleum refining, production and transportation practices, which oil is to be refined along with normal process streams at a petroleum refining facility;

F~~G~~) Petroleum refining wastes.

i) Hazardous waste fuel produced from oil-bearing hazardous wastes from petroleum refining, production or transportation practices, or

produced from oil reclaimed from such hazardous wastes, where such hazardous wastes are reintroduced into a process that does not use distillation or does not produce products from crude oil so long as the resulting fuel meets the used oil specification under 35 Ill. Adm. Code 726.140(e) and so long as no other hazardous wastes are used to produce the hazardous waste fuel;

ii) Hazardous waste fuel produced from oil-bearing hazardous waste from petroleum refining production and transportation practices, where such hazardous wastes are reintroduced into a refining process after a point at which contaminants are removed, so long as the fuel meets the used oil fuel specification under 35 Ill. Adm. Code 726.140(e); and

iii) Oil reclaimed from oil-bearing hazardous wastes from petroleum refining, production and transportation practices, which reclaimed oil is burned as a fuel without reintroduction to a refining process, so long as the reclaimed oil meets the used oil fuel specification under 35 Ill. Adm. Code 726.140(e); and

G~~H~~) Petroleum coke produced from petroleum refinery hazardous wastes containing oil at the same facility at which such wastes were generated, unless the resulting coke product exceeds one or more of the characteristics of hazardous waste in Subpart C.

4) Used oil that is recycled and is also a hazardous waste solely because it exhibits a hazardous characteristic is not subject to the requirements of 35 Ill. Adm. Code 720 through 728, but is regulated under 35 Ill. Adm. Code 739. Used oil that is recycled includes any used oil which is reused, following its original use, for any purpose (including the purpose for which the oil was originally used. Such term includes, but is not limited to, oil which is re-refined, reclaimed, burned for energy recovery, or reprocessed.

b) Generators and transporters of recyclable materials are subject to the applicable requirements of 35 Ill. Adm. Code 722 and 723 and the notification requirements under Section 3010 of the Resource Conservation and Recovery Act, except as provided in subsection (a), above.

c) Storage and recycling:

1) Owners or operators of facilities that store recyclable materials before they are recycled are regulated under all applicable provisions of 35 Ill. Adm. Code 724.Subparts A through L, AA and BB and 725.Subparts A through L, AA and BB, 726, 728, 702, 703 and 705 and the notification requirement under Section 3010 of the Resource Conservation and Recovery Act, except as provided in subsection (a),

above. (The recycling process itself is exempt from regulation, except as provided in subsection (d), below.)

2) Owners or operators of facilities that recycle recyclable materials without storing them before they are recycled are subject to the following requirements, except as provided in subsection (a), above.

A) Notification requirements under Section 3010 of the Resource Conservation and Recovery Act.

B) 35 Ill. Adm. Code 725.171 and 725.172 (dealing with the use of the manifest and manifest discrepancies)

C) subsection (d), below.

d) Owners or operators of facilities required to have a RCRA permit pursuant to 35 Ill. Adm. Code 703 with hazardous waste management units which recycle hazardous wastes are subject to 35 Ill. Adm. Code 724.Subpart AA and BB and 725.Subpart AA and BB.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART D: LISTS OF HAZARDOUS WASTE

Section 721.131 Hazardous Wastes From Nonspecific Sources

a) The following solid wastes are listed hazardous wastes from non-specific sources unless they are excluded under 35 Ill. Adm. Code 720.120 and 720.122 and listed in Section 721.Appendix I.

EPA Hazardous Waste No.	Industry and Hazardous Waste	Hazard Code
F001	The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures and blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004 or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)

F002	The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, orthodichlorobenzene, trichlorofluoromethane and 1,1,2-trichloroethane; all spent solvent mixtures and blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004 or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F003	The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone and methanol; all spent solvent mixtures and blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures and blends containing, before use, one or more of the above non-halogenated solvents and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004 or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I)
F004	The following spent non-halogenated solvents: cresols and cresylic acid and nitrobenzene; all spent solvent mixtures and blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002 or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F005	The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol and 2-nitropropane; all spent solvent mixtures and blends, containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002 or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I, T)

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F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.	(T)
F019	See Below	
F007	Spent cyanide plating bath solutions from electroplating operations.	(R, T)
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.	(R, T)
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.	(R, T)
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.	(R, T)
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.	(R, T)
F012	Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.	(T)
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.	(T)
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate or component in a formulating process) of tri- or tetra-chlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)	(H)

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F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate or component in a formulating process) of pentachloro-phenol, or of intermediates used to produce its derivatives.	(H)
F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate or component in a formulating process) of tetra-, penta- or hexachloro-benzenes under alkaline conditions.	(H)
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.	(H)
F024	Process wastes including but not limited to, distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts and wastes listed in this Section or Section 721.132.)	(T)
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	(T)
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate or component in a formulating process) of tetra-, penta- or hexachlorobenzene under alkaline conditions.	(H)

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F027 Discarded unused formulations containing tri-, tetra- or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component). (H)

F028 Residues resulting from the incineration or thermal treatment of soil contaminated with hazardous waste numbers F020, F021, F022, F023, F026 and F027. (T)

F032 Wastewaters, (except those that have not come into contact with process contaminants), process residuals, preservative drippage and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with Section 721.135 and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote or pentachlorophenol. (T)

~~BOARD NOTE: The listing of wastewaters that have not come into contact with process contaminants is stayed administratively. The listing for plants that have previously used chlorophenolic formulations is administratively stayed whenever these wastes are covered by the F034 or F035 listings. These stays will remain in effect until further administrative action is taken. Furthermore, the F032 listing is administratively stayed with respect to the process area receiving drippage of these wastes provided persons desiring to continue operating notify USEPA by August 6, 1991, of their intent to upgrade or install drip pads, and by November 6, 1991, provide evidence to USEPA that they have adequate financing to pay for drip pad upgrades or installation, as provided in the administrative stay. The stay of listings will remain in effect until February 6, 1992, for existing drip pads, and until May 6, 1992, for new drip pads.~~

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F034 Wastewaters, (except those that have not come into contact with process contaminants), process residuals, preservative drippage and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote or pentachlorophenol. (T)

~~BOARD NOTE: The listing of wastewaters that have not come into contact with process contaminants is stayed administratively. These stays will remain in effect until further administrative action is taken. Furthermore, the F034 and F035 listings are administratively stayed with respect to the process area receiving drippage of these wastes provided that, by February 6, 1992, persons desiring to continue operating notify the Agency of their intent to upgrade or install drip pads, and provide evidence to the Agency that they have adequate financing to pay for drip pad upgrades or installation, as provided in the administrative stay. The stay of listings will remain in effect until July 1, 1992.~~

F035 Wastewaters, (except those that have not come into contact with process contaminants), process residuals, preservative drippage and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote or pentachlorophenol. (T)

~~BOARD NOTE: The listing of wastewaters that have not come into contact with process contaminants is stayed administratively. These stays will remain in effect until further administrative action is taken. Furthermore, the F034 and F035 listings are administratively stayed with respect to the process area receiving drippage of these wastes provided that, by February 6, 1992, persons desiring to continue operating notify the Agency of their intent to upgrade or install drip pads, and provide evidence to the Agency that they have adequate financing to pay for drip pad upgrades or installation, as provided in the administrative stay. The stay of listings will remain in effect until July 1, 1992.~~

F037 Petroleum refinery primary oil/water/solids separation sludge -- Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in subsection (b)(2), below, (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. (T)

F038 Petroleum refinery secondary (emulsified) oil/water/solids separation sludge -- Any sludge or float generated from the physical or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air floatation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in subsection (b)(2), below, (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), F037, K048 and K051 wastes are not included in this listing. (T)

F039 Leachate (liquids which have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under Subpart D. (Leachate resulting from the disposal of one or more of the following USEPA hazardous wastes and no other hazardous wastes retains its USEPA hazardous waste number(s): F020, F021, F022, F026, F027 or F028.) (T)

BOARD NOTE: The primary hazardous properties of these materials have been indicated by the letters T (Toxicity), R (Reactivity), I (Ignitability), and C (Corrosivity). The letter H indicates Acute Hazardous Waste.

b) Listing specific definitions.

1) For the purpose of the F037 and F038 listings, oil/water/solids is defined as oil or water or solids.

2) For the purposes of the F037 and F038 listings:

A) Aggressive biological treatment units are defined as units which employ one of the following four treatment methods: activated sludge; trickling filter; rotating biological contactor for the continuous accelerated biological oxidation of wastewaters; or, high-rate aeration. High-rate aeration is a system of surface impoundments or tanks, in which intense mechanical aeration is used to completely mix the wastes, enhance biological activity, and:

i) The units employ a minimum of 6 horsepower per million gallons of treatment volume; and either

ii) The hydraulic retention time of the unit is no longer than 5 days; or

iii) The hydraulic retention time is no longer than 30 days and the unit does not generate a sludge that is a hazardous waste by the toxicity characteristic.

B) Generators and treatment, storage or disposal (TSD) facilities have the burden of proving that their sludges are exempt from listing as F037 or F038 wastes under this definition. Generators and TSD facilities shall maintain, in their operating or other on site records, documents and data sufficient to prove that:

i) The unit is an aggressive biological treatment unit as defined in this subsection; and

ii) The sludges sought to be exempted from F037 or F038 were actually generated in the aggressive biological treatment unit.

3) Time of generation. For the purposes of:

A) The F037 listing, sludges are considered to be generated at the moment of deposition in the unit, where deposition is defined as at least a temporary cessation of lateral particle movement.

B) The F038 listing:

i) Sludges are considered to be generated at the moment of deposition in the unit, where

deposition is defined as at least a temporary cessation of lateral particle movement; and

ii) Floats are considered to be generated at the moment they are formed in the top of the unit.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.132 Hazardous Waste from Specific Sources

The following solid wastes are listed hazardous wastes from specific sources unless they are excluded under 35 Ill. Adm. Code 720.120 and 720.122 and listed in Section 721.Appendix I.

EPA Hazardous Waste No.	Industry and Hazardous Waste	Hazard Code
	Wood Preservation:	
K001	Bottom sediment sludge from the treatment of waste-waters from wood preserving processes that use creosote and/or pentachlorophenol.	(T)
	Inorganic Pigments:	
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	(T)
K003	Wastewater treatment sludge from the production of molybdate orange pigments.	(T)
K004	Wastewater treatment sludge from the production of zinc yellow pigments.	(T)
K005	Wastewater treatment sludge from the production of chrome green pigments.	(T)
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).	(T)
K007	Wastewater treatment sludge from the production of iron blue pigments.	(T)
K008	Oven residue from the production of chrome oxide green pigments.	(T)
	Organic Chemicals:	
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	(T)
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	(T)
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.	(R,T)

K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.	(T)
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	(T)
K015	Still bottoms from the distillation of benzyl chloride.	(T)
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	(T)
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	(T)
K018	Heavy ends from the fractionation column in ethyl chloride production.	(T)
K019	Heavy ends from the distillation of ethylene di-chloride in ethylene dichloride production.	(T)
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	(T)
K021	Aqueous spent antimony catalyst waste from fluoromethanes production.	(T)
K022	Distillation bottom tars from the production of phenol/acetone from cumene.	(T)
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	(T)
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.	(T)
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.	(T)
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	(T)
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	(T)
K026	Stripping still tails from the production of methyl ethyl pyridines.	(T)
K027	Centrifuge and distillation residues from toluene diisocyanate production.	(R,T)
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	(T)
K029	Waste from the product stream stripper in the production of 1,1,1-trichloroethane.	(T)

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K095	Distillation bottoms from the production of 1,1,1-trichloroethane.	(T)
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.	(T)
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.	(T)
K083	Distillation bottoms from aniline production.	(T)
K103	Process residues from aniline extraction from the production of aniline.	(T)
K104	Combined wastewater streams generated from nitrobenzene/aniline production.	(T)
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.	(T)
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	(T)
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(C,T)
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(I,T)
K109	Spent filter cartridges from the product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)
K111	Product wastewaters from the production of dinitrotoluene via nitration of toluene.	(C,T)
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K114	Vicinals from the purification of toluene-diamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)

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K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.	(T)
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.	(T)
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)

Inorganic Chemicals:

K071	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.	(T)
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	(T)
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.	(T)

Pesticides:

K031	By-product salts generated in the production of MSMA and cacodylic acid.	(T)
K032	Wastewater treatment sludge from the production of chlordane.	(T)
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.	(T)
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.	(T)
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	(T)
K035	Wastewater treatment sludges generated in the production of creosote.	(T)
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.	(T)

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K037	Wastewater treatment sludges from the production of disulfoton.	(T)
K038	Wastewater from the washing and stripping of phorate production.	(T)
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	(T)
K040	Wastewater treatment sludge from the production of phorate.	(T)
K041	Wastewater treatment sludge from the production of toxaphene.	(T)
K098	Untreated process wastewater from the production of toxaphene.	(T)
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	(T)
K043	2,6-Dichlorophenol waste from the production of 2,4-D.	(T)
K099	Untreated wastewater from the production of 2,4-D.	(T)
K123	Process wastewater (including supernates, filtrates and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.	(T)
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	(C,T)
K125	Filtration, evaporation and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	(T)
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	(T)
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	(C,T)
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	(T)

Explosives:

K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	(R)
K045	Spent carbon from the treatment of wastewater containing explosives.	(R)

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K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	(T)
K047	Pink/red water from TNT operations.	(R)

Petroleum Refining:

K048	Dissolved air flotation (DAF) float from the petroleum refining industry.	(T)
K049	Slop oil emulsion solids from the petroleum refining industry.	(T)
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	(T)
K051	API separator sludge from the petroleum refining industry.	(T)
K052	Tank bottoms (leaded) from the petroleum refining industry.	(T)

Iron and Steel:

K061	Emission control dust/sludge from the primary production of steel in electric furnaces.	(T)
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332) (as defined in 35 Ill. Adm. Code 720.110).	(C,T)

Primary Copper:

K064	Acid plant blowdown slurry or sludge resulting from the thickening of blowdown slurry from primary copper production.	(T)

Primary Lead:

K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.	(T)

Primary Zinc:

K066	Sludge from treatment of process wastewater or acid plant blowdown from primary zinc production.	(T)

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BOARD NOTE: This waste listing is the subject of a judicial remand in American Mining Congress v. EPA, 907 F.2d 1179 (D.D.C. 1990). The Board intends that this listing not become enforceable in Illinois until the first date upon which the Board RCRA program becomes "not equivalent to the Federal program," within the meaning of Section 3006(b) of the RCRA Act, 42 U.S.C. 6926(b), the Board RCRA rules become "less stringent" than the USEPA rules, as this phrase is used in Section 3009, 42 U.S.C. 6929, or the Board RCRA rules are not "identical in substance" with the federal rules as that term is intended by Ill. Rev. Stat. 1989~~1~~ ch. 111½, pars. 1007.2 and 1022.4 [415 ILCS 5/7.2 and 5/22.4] as a result of some action by USEPA with regard to this listing in response to the American Mining Congress remand.

Primary Aluminum:

K088 Spent potliners from primary aluminum reduction. (T)

Ferroalloys:

K090 Emission control dust or sludge from ferrochromiumsilicon production. (T)

K091 Emission control dust or sludge from ferrochromium production. (T)

Secondary Lead:

K069 Emission control dust/sludge from secondary lead smelting. (T)
BOARD NOTE: This listing is administratively stayed for sludge generated from secondary acid scrubber systems. The stay will remain in effect until this note is removed.

K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting. (T)

Veterinary Pharmaceuticals:

K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. (T)

K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. (T)

K102 Residue from use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. (T)

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Ink Formulation:

K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps and stabilizers containing chromium and lead. (T)

Coking:

K060 Ammonia still lime sludge from coking operations. (T)

K087 Decanter tank tar sludge from coking operations. (T)

K141 Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations). (T)

K142 Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal. (T)

K143 Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal. (T)

K144 Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal. (T)

K145 Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal. (T)

K147 Tar storage tank residues from coal tar refining. (T)

K148 Residues from coal tar distillation, including but not limited to, still bottoms. (T)

K149 Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillation of benzyl chloride.). (T)

K150 Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (T)

K151 Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (T)

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.Appendix B Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)

The Board incorporates by reference 40 CFR 261, Appendix II, as amended at ~~55 Fed. Reg. 11798, March 29, 1990~~57 Fed. Reg. 55114-55117, November 24, 1992 and 58 Fed. Reg. 6854. This Section incorporates no future editions or modifications

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 721.Appendix G Basis for Listing Hazardous Wastes

EPA hazardous waste No.	Hazardous constituents for which listed
F001	Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated fluorocarbons.
F002	Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichlorethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane.
F003	N.A.
F004	Cresols and cresylic acid, nitrobenzene.
F005	Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, 2-ethoxyethanol, benzene, 2-nitropropane
F006	Cadmium, hexavalent chromium, nickel, cyanide (complexed).
F007	Cyanide (salts).
F008	Cyanide (salts).
F009	Cyanide (salts).
F010	Cyanide (salts).
F011	Cyanide (salts).
F012	Cyanide (complexed).
F019	Hexavalent chromium, cyanide (complexed).
F020	Tetra- and pentachlorodibenzo-p-dioxins; tetra- and pentachlorodibenzofurans; tri- and tetrachlorophenols and their clorophenoxy derivative acids, esters, ethers, amines and other salts.
F021	Penta- and hexachlorodibenzo-p-dioxins; penta- and hexachlorodibenzofurans; pentachlorophenol and its derivatives.
F022	Tetra-, penta- and hexachlorodibenzo-p-dioxins; tetra-, penta- and hexachlorodibenzofurans.
F023	Tetra- and pentachlorodibenzo-p-dioxins; tetra- and pentachlorodibenzofurans; tri- and tetra- chlorophenols and their chlorophenoxy derivative acids, esters, ethers, amines and other salts.
F024	Chloromethane, dichloromethane, trichloromethane, carbon tetrachloride, chloroethylene, 1, 1-dichloroethane, 1, 2-dichloroethane, trans-1, 2-dichloroethylene, 1, 1-dichloroethylene, 1, 1, 1-trichloroethane, 1, 1, 2-trichloroethane, trichloroethylene, 1, 1, 1, 2-tetrachloroethane, 1,1, 2, 2-tetrachloroethane, tetrachloroethylene, pentachloroethane, hexachloroethane, allyl chloride (3-chloropropene), dichloropropane, dichloropropene, 2-chloro- 1, 3-butadiene, hexachloro-1, 3-butadiene, hexachlorochylopentadiene, hexachlorocylohexane, benzene, chlorobenzene, dichlorobenzenes, 1, 2, 4-trichlorobenzene, tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene, toluene, naphthalene.
F025	Chloromethane, dicloromethane, trichloromethane; carbon tetrachloride; chloroethylene; 1,1-dichloroethane; 1,2-dichloroethane; trans-1,2-dichloroethylene; 1,1-dichloroethylene; 1,1,1-trichloroethane; 1,1,2-trichloroethane; trichloroethylene; 1,1,1,2-tetrachloroethane; 1,1,2,2-tetrachloroethane; tetrachloroethylene; pentachloroethane; hexachloroethane; allyl chloride (3-chloropropene); dichloropropane; dichloropropene; 2-chloro-1,3-butadiene; hexachloro-1,3-butadiene; hexachlorocyclopentadiene; benzene; chlorobenzene; dichlorobenzene; 1,2,4-trichlorobenzene; tetrachlorobenzene; pentachlorobenzene; hexachlorobenzene; toluene; naphthalene.
F026	Tetra-, penta-, and hexachlorodibenzo-p-dioxins; tetra-, penta-, and hexachlorodibenzofurans.
F027	Tetra-, penta, and hexachlorodibenzo-p-dioxins; tetra-, penta-, and hexachlorodibenzofurans; tri-, tetra-, and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.
F028	Tetra-, penta-, and hexachlorodibenzo-p-dixons;tetra-, penta-, and hexachlorodibenzofurans; tri-, tetra-, and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.
F032	Benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, pentachlorophenol, arsenic, chromium, tetra-, penta-, hexa-, heptachlorordibenzo-p-dioxins, tetra-, penta-, hexa-, heptachlorodibenzofurans.
F034	Benz(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, arsenic chromium.
F035	Arsenic, chromium and lead.
F037	Benzene, benzo(a)pyrene, chrysene, lead, chromium.
F038	Benzene, benzo(a)pyrene, chrysene, lead, chromium.
F039	All constituents for which treatment standards are specified for multi-source leachate (wastewaters and non-wastewaters) under 35 Ill. Adm. Code 728.Table B (Constituent Concentrations in Waste)
K001	Pentachlorophenol, phenol, 2-chlorophenol, p-chloro-m-cresol, 2,4-dimethylphenol, 2,4- dinitrophenol, trichlorophenols, tetrachlorophenols, 2,4- dinitrophenol, cresosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benz(a) anthracene, dibenz(a)anthracene, acenaphthalene.
K002	Hexavalent chromium, lead.
K003	Hexavalent chromium, lead.
K004	Hexavalent chromium.
K005	Hexavalent chromium, lead.
K006	Hexavalent chromium.
K007	Cyanide (complexed), hexavalent chromium.
K008	Hexavalent chromium.
K009	Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid.
K010	Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid, chloroacetaldehyde.
K011	Acrylonitrile, acetonitrile, hydrocyanic acid.
K013	Hydrocyanic acid, acrylonitrile, acetonitrile.
K014	Acetonitrile, acrylamide.
K015	Benzyl chloride, chlorobenzene, toluene, benzotrichloride.

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K016 Hexachlorobenzene, hexachlorobutadiene, carbon tetrachloride, hexachloroethane, perchloroethylene.
K017 Epichlorohydrin, chloroethers [bis(chloromethyl) ether and bis-(2-chloroethyl) ethers], trichloropropane, dichloropropanols.
K018 1,2-dichloroethane, trichloroethylene, hexachlorobutadiene, hexachlorobenzene.
K019 Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride.
K020 Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloro-ethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride.
K021 Antimony, carbon tetrachloride, chloroform.
K022 Phenol, tars (polycyclic aromatic hydrocarbons).
K023 Phthalic anhydride, maleic anhydride.
K024 Phthalic anhydride, 1,4-naphthoguinone.
K025 Meta-dinitrobenzene, 2,4-dinitrotoluene.
K026 Paraldehyde, pyridines, 2-picoline.
K027 Toluene diisocyanate, toluene-2,4-diamine.
K028 1,1,1-trichloroethane, vinyl chloride.
K029 1,2-dichloroethane, 1,1,1-trichloroethane, vinyl chloride, vinylidene chloride, chloroform.
K030 Hexachlorobenzene, hexachlorobutadiene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, ethylene dichloride.
K031 Arsenic.
K032 Hexachlorocyclopentadiene.
K033 Hexachlorocyclopentadiene.
K034 Hexachlorocyclopentadiene.
K035 Creosote, chrysene, naphthalene, fluoranthene, benzo(b) fluoranthene, benzo(a)-pyrene, indeno(1,2,3-cd) pyrene, benzo(a)anthracene, dibenzo(a)anthracene, acenaphthalene.
K036 Toluene, phosphorodithioic and phosphorothioic acid esters.
K037 Toluene, phosphorodithioic and phosphorothioic acid esters.
K038 Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters.
K039 Phosphorodithioic and phosphorothioic acid esters.
K040 Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters.
K041 Toxaphene.
K042 Hexachlorobenzene, ortho-dichlorobenzene.
K043 2,4-dichlorophenol, 2,6-dichlorophenol, 2,4,6-trichlorophenol.
K044 N.A.
K045 N.A.
K046 Lead
K047 N.A.
K048 Hexavalent chromium, lead.
K049 Hexavalent chromium, lead.
K050 Hexavalent chromium.
K051 Hexavalent chromium, lead.
K052 Lead
K060 Cyanide, naphthalene, phenolic compounds, arsenic.
K061 Hexavalent chromium, lead, cadmium.
K062 Hexavalent chromium, lead.
K064 Lead, cadmium
K065 Lead, cadmium

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K066 Lead, cadmium
K069 Hexavalent chromium, lead, cadmium.
K071 Mercury.
K073 Chloroform, carbon tetrachloride, hexachloroethane, trichloroethane, tetrachloroethylene, dichloroethylene, 1,1,2,2-tetrachloroethane.
K083 Aniline, diphenylamine, nitrobenzene, phenylenediamine.
K084 Arsenic.
K085 Benzene, dichlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene, benzyl chloride.
K086 Lead, hexavalent chromium.
K087 Phenol, naphthalene.
K088 Cyanide (complexes)
K090 Chromium
K091 Chromium
K093 Phthalic anhydride, maleic anhydride.
K094 Phthalic anhydride.
K095 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane.
K096 1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane.
K097 Chlordane, heptachlor.
K098 Toxaphene.
K099 2,4-dichlorophenol, 2,4,6-trichlorophenol.
K100 Hexavalent chromium, lead, cadmium.
K101 Arsenic.
K102 Arsenic.
K103 Aniline, nitrobenzene, phenylenediamine.
K104 Aniline, benzene, diphenylamine, nitrobenzene, phynylenediamine.
K105 Benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol.
K106 Mercury.
K111 2,4-Dinitrotoluene.
K112 2,4-Toluenediamine, o-toluidine, p-toluidine, aniline.
K113 2,4-Toluenediamine, o-toluidine, p-toluidine, aniline.
K114 2,4-Toluenediamine, o-toluidine, p-toluidine.
K115 2,4-Toluenediamine.
K116 Carbon Tetrachloride, tetrachloroethylene, chloroform, phosgene.
K117 Ethylene dibromide
K118 Ethylene dibromide
K123 Ethylene thiourea
K124 Ethylene thiourea
K125 Ethylene thiourea
K126 Ethylene thiourea
K131 Dimethyl sulfte, methyl bromide
K132 Methyl bromide
K136 Ethylene dibromide
K141 Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.
K142 Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.
K143 Benzene, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene.
K144 Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene.
K145 Benzene, benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, naphthalene.
K147 Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.
K148 Benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.
K149 Benzotrichloride, benzyl chloride, chloroform, chloromethane,

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chlorobenzene, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, toluene.

K150 Carbon tetrachloride, chloroform, chloromethane, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,1,2,2-tetrachloroethane, tetrachloroethylene, 1,2,4-trichlorobenzene.

K151 Benzene, carbon tetrachloride, chloroform, hexachlorobenzene, pentachlorobenzene, toluene, 1,2,4,5-tetrachlorobenzene, tetrachloroethylene.

N.A.--Waste is hazardous because it fails the test for the characteristic of ignitability, corrosivity or reactivity.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

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1) Heading of the Part: Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities

2) Code Citation: 35 Ill. Adm. Code 725

3)

Section Numbers:	Adopted Action:
725.101, 725.113, 725.210	Amendment
725.211, 725.212, 725.240	Amendment
725.242, 725.243, 725.245	Amendment
725.247, 725.321, 725.414	Amendment
725.416, 725.540, 725.541	Amendment
725.542, 725.543	Amendment
725.1100, 725.1101, 725.1102	New Section

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9245 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

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15) Summary and purpose of rulemaking:

The amendments to Part 725 generally reflect changes made in response to Chemical Waste Management v. EPA, 976 F.2d 2 (D.C. Cir. 1992), containment building requirements, and stays concerning drip pad management.

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 725
INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART A: GENERAL PROVISIONS

Section
725.101 Purpose, Scope and Applicability
725.104 Imminent Hazard Action

SUBPART B: GENERAL FACILITY STANDARDS

Section
725.110 Applicability
725.111 USEPA Identification Number
725.112 Required Notices
725.113 General Waste Analysis
725.114 Security
725.115 General Inspection Requirements
725.116 Personnel Training
725.117 General Requirements for Ignitable, Reactive or Incompatible Wastes
725.118 Location Standards
725.119 Construction Quality Assurance Program

SUBPART C: PREPAREDNESS AND PREVENTION

Section
725.130 Applicability
725.131 Maintenance and Operation of Facility
725.132 Required Equipment
725.133 Testing and Maintenance of Equipment
725.134 Access to Communications or Alarm System
725.135 Required Aisle Space
725.137 Arrangements with Local Authorities

SUBPART D: CONTINGENCY PLAN AND EMERGENCY PROCEDURES

Section
725.150 Applicability
725.151 Purpose and Implementation of Contingency Plan
725.152 Content of Contingency Plan
725.153 Copies of Contingency Plan
725.154 Amendment of Contingency Plan
725.155 Emergency Coordinator
725.156 Emergency Procedures

SUBPART E: MANIFEST SYSTEM, RECORDKEEPING AND REPORTING

Section
725.170 Applicability
725.171 Use of Manifest System
725.172 Manifest Discrepancies
725.173 Operating Record
725.174 Availability, Retention and Disposition of Records
725.175 Annual Report
725.176 Unmanifested Waste Report
725.177 Additional Reports

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SUBPART F: GROUNDWATER MONITORING

Section
725.190 Applicability
725.191 Groundwater Monitoring System
725.192 Sampling and Analysis
725.193 Preparation, Evaluation and Response
725.194 Recordkeeping and Reporting

SUBPART G: CLOSURE AND POST-CLOSURE

Section
725.210 Applicability
725.211 Closure Performance Standard
725.212 Closure Plan; Amendment of Plan
725.213 Closure; Time Allowed for Closure
725.214 Disposal or Decontamination of Equipment, Structures and Soils
725.215 Certification of Closure
725.216 Survey Plat
725.217 Post-closure Care and Use of Property
725.218 Post-closure Plan; Amendment of Plan
725.219 Post-Closure Notices
725.220 Certification of Completion of Post-Closure Care

SUBPART H: FINANCIAL REQUIREMENTS

Section
725.240 Applicability
725.241 Definitions of Terms as Used in this Subpart
725.242 Cost Estimate for Closure
725.243 Financial Assurance for Closure
725.244 Cost Estimate for Post-closure Care
725.245 Financial Assurance for Post-closure Monitoring and Maintenance
725.246 Use of a Mechanism for Financial Assurance of Both Closure and Post-closure Care
725.247 Liability Requirements
725.248 Incapacity of Owners or Operators, Guarantors or Financial Institutions
725.251 Promulgation of Forms (Repealed)

SUBPART I: USE AND MANAGEMENT OF CONTAINERS

Section
725.270 Applicability
725.271 Condition of Containers
725.272 Compatibility of Waste with Container
725.273 Management of Containers
725.274 Inspections
725.276 Special Requirements for Ignitable or Reactive Waste
725.277 Special Requirements for Incompatible Wastes

SUBPART J: TANK SYSTEMS

Section
725.290 Applicability
725.291 Assessment of Existing Tank System's Integrity
725.292 Design and Installation of New Tank Systems or Components
725.293 Containment and Detection of Releases
725.294 General Operating Requirements
725.295 Inspections
725.296 Response to leaks or spills and disposition of Tank Systems
725.297 Closure and Post-Closure Care
725.298 Special Requirements for Ignitable or Reactive Waste

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725.299 Special Requirements for Incompatible Wastes
725.300 Waste Analysis and Trial Tests
725.301 Generators of 100 to 1000 kg/mo.

SUBPART K: SURFACE IMPOUNDMENTS

Section
725.320 Applicability
725.321 Design and Operating Requirements
725.322 Action Leakage Rate
725.323 Response Actions
725.324 Containment System
725.325 Waste Analysis and Trial Tests
725.326 Monitoring and Inspections
725.328 Closure and Post-Closure Care
725.329 Special Requirements for Ignitable or Reactive Waste
725.330 Special Requirements for Incompatible Wastes

SUBPART L: WASTE PILES

Section
725.350 Applicability
725.351 Protection from Wind
725.352 Waste Analysis
725.353 Containment
725.354 Design and Operating Requirements
725.355 Action Leakage Rates
725.356 Special Requirements for Ignitable or Reactive Waste
725.357 Special Requirements for Incompatible Wastes
725.358 Closure and Post-Closure Care
725.359 Response Actions
725.360 Monitoring and Inspection

SUBPART M: LAND TREATMENT

Section
725.370 Applicability
725.372 General Operating Requirements
725.373 Waste Analysis
725.376 Food Chain Crops
725.378 Unsaturated Zone (Zone of Aeration) Monitoring
725.379 Recordkeeping
725.380 Closure and Post-closure
725.381 Special Requirements for Ignitable or Reactive Waste
725.382 Special Requirements for Incompatible Wastes

SUBPART N: LANDFILLS

Section
725.400 Applicability
725.401 Design Requirements
725.402 Action Leakage Rate
725.403 Response Actions
725.404 Monitoring and Inspection
725.409 Surveying and Recordkeeping
725.410 Closure and Post-Closure
725.412 Special Requirements for Ignitable or Reactive Waste
725.413 Special Requirements for Incompatible Wastes
725.414 Special Requirements for ~~Bulk and Containerized~~ Liquid Wastes
725.415 Special Requirements for Containers
725.416 Disposal of Small Containers of Hazardous Waste in Overpacked Drums (Lab Packs)

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AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27]).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 831, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R82-19, 53 PCB 131, at 7 Ill. Reg. 14034, effective October 12, 1983; amended in R84-9, at 9 Ill. Reg. 11869, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1085, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14069, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6044, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13489, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19338, effective November 10, 1987; amended in R87-26 at 12 Ill. Reg. 2485, effective January 15, 1988; amended in R87-39 at 12 Ill. Reg. 13027, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 437, effective December 28, 1988; amended in R89-1 at 13 Ill. Reg. 18354, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14447, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16498, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9398, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14534, effective October 1, 1991; amended in R91-13 at 16 Ill. Reg. 9578, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17672, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5681, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. _____, effective November 22, 1993.

SUBPART A: GENERAL PROVISIONS

Section 725.101 Purpose, Scope and Applicability

a) The purpose of this Part is to establish minimum standards which define the acceptable management of hazardous waste during the

period of interim status and until certification of final closure or, if the facility is subject to post-closure requirements, until post-closure responsibilities are fulfilled.

b) The standards in this Part apply to owners and operators of facilities which treat, store or dispose of hazardous waste who have fully complied with the requirements for interim status under Section 3005(e) of the Resource Conservation and Recovery Act (RCRA) (42 U.S.C. 6901 et seq.) and 35 Ill. Adm. Code 703, until either a permit is issued under Section 3005 of the Resource Conservation and Recovery Act or Section 21(f) of the Environmental Protection Act, or until applicable closure and post-closure responsibilities under this Part are fulfilled, and to those owners and operators of facilities in existence on November 19, 1980, who have failed to provide timely notification as required by Section 3010(a) of RCRA, or failed to file Part A of the Permit Application as required by 40 CFR 270.10(e) and (g) or 35 Ill. Adm. Code 703.150 and 703.152. These standards apply to all treatment, storage or disposal of hazardous waste at these facilities after November 19, 1980, except as specifically provided otherwise in this Part or 35 Ill. Adm. Code 721;

BOARD NOTE: As stated in Section 3005(a) of RCRA, after the effective date of regulations under that Section, i.e., 40 CFR 270 and 124, the treatment, storage or disposal of hazardous waste is prohibited except in accordance with a permit. Section 3005(e) of RCRA provides for the continued operation of an existing facility which meets certain conditions until final administrative disposition of the owner's and operator's permit application is made. 35 Ill. Adm. Code 703.140 et seq. provide that a permit is deemed issued under Section 21(f)(1) of the Environmental Protection Act under conditions similar to federal interim status.

c) The requirements of this Part do not apply to:

1) A person disposing of hazardous waste by means of ocean disposal subject to a permit issued under the Marine Protection, Research and Sanctuaries Act (16 U.S.C. 1431-1434; 33 U.S.C. 1401);

BOARD NOTE: This Part applies to the treatment or storage of hazardous waste before it is loaded into an ocean vessel for incineration or disposal at sea, as provided in subsection (b) above.

3) The owner or operator of a POTW (publicly owned treatment works) which treats, stores or disposes of hazardous waste;

BOARD NOTE: The owner or operator of a facility under subsections (c)(1) through (c)(3) is subject to the requirements of 35 Ill. Adm. Code 724 to the extent they are included in a permit by rule granted to such a person under 35 Ill. Adm. Code 702 and 703 or are required by 35 Ill. Adm. Code 704.Subpart F.

5) The owner or operator of a facility permitted, licensed or

registered by Illinois to manage municipal or industrial solid waste, if the only hazardous waste the facility treats, stores or disposes of is excluded from regulation under this Part by 35 Ill. Adm. Code 721.105;

6) The owner or operator of a facility managing recyclable materials described in 35 Ill. Adm. Code 721.106(a)(2) and (3) (except to the extent that requirements of this Part are referred to in 35 Ill. Adm. Code 726.Subparts C, ~~D, F, or G,~~ or H;

7) A generator accumulating waste on-site in compliance with 35 Ill. Adm. Code 722.134, except to the extent the requirements are included in 35 Ill. Adm. Code 722.134;

8) A farmer disposing of waste pesticides from the farmer's own use in compliance with 35 Ill. Adm. Code 722.170;

9) The owner or operator of a totally enclosed treatment facility, as defined in 35 Ill. Adm. Code 720.110;

10) The owner or operator of an elementary neutralization unit or a wastewater treatment unit as defined in 35 Ill. Adm. Code 720.110, provided that if the owner or operator is diluting hazardous ignitable (D001) wastes (other than the D001 High TOC Subcategory defined in 35 Ill. Adm. Code 728.Table D), or corrosive (D002) waste, in order to remove the characteristic before land disposal, the owner or operator must comply with the requirements set out in Section 725.117(b);

11) Immediate response:

A) Except as provided in subsection (c)(11)(B), below, a person engaged in treatment or containment activities during immediate response to any of the following situations:

i) A discharge of a hazardous waste;

ii) An imminent and substantial threat of a discharge of a hazardous waste;

iii) A discharge of a material which, when discharged, becomes a hazardous waste.

B) An owner or operator of a facility otherwise regulated by this Part must comply with all applicable requirements of Subparts C and D.

C) Any person who is covered by subsection (c)(11)(A), above and who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of this Part and 35 Ill. Adm. Code 702, 703 and 705 for those activities.

12) A transporter storing manifested shipments of hazardous

waste in containers meeting the requirements of 35 Ill. Adm. Code 722.130 at a transfer facility for a period of ten days or less.

13) The addition of absorbent material to waste in a container (as defined in 35 Ill. Adm. Code 720.110), or the addition of waste to the absorbent material in a container, provided that these actions occur at the time waste is first placed in the containers; and Sections 725.117(b), 725.271 and 725.272 are complied with.

d) The following hazardous wastes must not be managed at facilities subject to regulation under this Part: hazardous waste numbers F020, F021, F022, F023, F026 or F027 unless:

1) The wastewater treatment sludge is generated in a surface impoundment as part of the plant's wastewater treatment system;

2) The waste is stored in tanks or containers;

3) The waste is stored or treated in waste piles that meet the requirements of 35 Ill. Adm. Code 724.350(c) as well as all other applicable requirements of Subpart L;

4) The waste is burned in incinerators that are certified pursuant to the standards and procedures in Section 725.452; or

5) The waste is burned in facilities that thermally treat the waste in a device other than an incinerator and that are certified pursuant to the standards and procedures in Section 725.483.

e) This Part applies to owners and operators of facilities which treat, store or dispose of hazardous wastes referred to in 35 Ill. Adm. Code 728, and the 35 Ill. Adm. Code 728 standards are considered material conditions or requirements of the interim status standards of this Part.

f) 35 Ill. Adm. Code 700 contains rules concerning application of other Board regulations.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART B: GENERAL FACILITY STANDARDS

Section 725.113 General Waste Analysis

a) Waste analysis:

1) Before an owner or operator treats, stores or disposes of any hazardous wastes, or non-hazardous wastes if applicable under Section 725.213(d), the owner or operator shall obtain a detailed chemical and physical analysis of a representative sample of the wastes. At a minimum, the analysis must contain all the information which must be

known to treat, store or dispose of the waste in accordance with this Part and 35 Ill. Adm. Code 728.

2) The analysis may include data developed under 35 Ill. Adm. Code 721 and existing published or documented data on the hazardous waste or on waste generated from similar processes.

BOARD NOTE: For example, the facility's record of analyses performed on the waste before the effective date of these regulations or studies conducted on hazardous waste generated from processes similar to that which generated the waste to be managed at the facility may be included in the data base required to comply with subsection (a)(1), above, except as otherwise specified in 35 Ill. Adm. Code 728.107(b) and (c). The owner or operator of an off-site facility may arrange for the generator of the hazardous waste to supply part or all of the information required by subsection (a)(1), above. If the generator does not supply the information and the owner or operator chooses to accept a hazardous waste, the owner or operator is responsible for obtaining the information required to comply with this Section.

3) The analysis must be repeated as necessary to ensure that it is accurate and up to date. At a minimum, the analysis must be repeated:

A) When the owner or operator is notified, or has reason to believe, that the process or operation generating the hazardous waste, or non-hazardous waste if applicable under Section 725.213(d), has changed; and

B) For off-site facilities, when the results of the inspection required in subsection (a)(4), below, indicate that the hazardous waste received at the facility does not match the waste designated on the accompanying manifest or shipping paper.

4) The owner or operator of an off-site facility shall inspect and, if necessary, analyze each hazardous waste movement received at the facility to determine whether it matches the identity of the waste specified on the accompanying manifest or shipping paper.

b) The owner or operator shall develop and follow a written waste analysis plan which describes the procedures which the owner or operator will carry out to comply with subsection (a), above. The owner or operator shall keep this plan at the facility. At a minimum, the plan must specify:

1) The parameters for which each hazardous waste, or non-hazardous waste if applicable under Section 725.213(d), will be analyzed and the rationale for the selection of these parameters (i.e., how analysis for these parameters will provide sufficient information on the waste's properties to comply with subsection (a), above.

2) The test methods which will be used to test for these parameters.

3) The sampling method which will be used to obtain a representative sample of the waste to be analyzed. A representative sample may be obtained using either:

A) One of the sampling methods described in 35 Ill. Adm. Code 721.Appendix A or

B) An equivalent sampling method.

BOARD NOTE: See 35 Ill. Adm. Code 720.120(c) for related discussion.

4) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date.

5) For off-site facilities, the waste analyses that hazardous waste generators have agreed to supply.

6) Where applicable, the methods which will be used to meet the additional waste analysis requirements for specific waste management methods as specified in Sections 725.300, 725.325, 725.352, 725.373, 725.414, 725.441, 725.475, 725.502, 725.934(d) and 725.963(d), and 35 Ill. Adm. Code 728.107. And,

7) For surface impoundments exempted from land disposal restrictions under 35 Ill. Adm. Code 728.104(a), the procedures and schedules for:

A) The sampling of impoundment contents;

B) The analysis of test data; and,

C) The annual removal of residues which are not delisted under 35 Ill. Adm. Code 720.122 or which exhibit a characteristic of hazardous waste, and either:

i) Do not meet applicable treatment standards of 35 Ill. Adm. Code 728.Subpart D; or

ii) Where no treatment standards have been established: Such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.132 or 728.139; or such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.133(f).

c) For off-site facilities, the waste analysis plan required in subsection (b), above, must also specify the procedures which will be used to inspect and, if necessary, analyze each movement of hazardous waste received at the facility to ensure that it matches the identity of the waste designated on the accompanying manifest or shipping paper. At a minimum, the plan must describe:

1) The procedures which will be used to determine the identity of each movement of waste managed at the facility; and

2) The sampling method which will be used to obtain a representative sample of the waste to be identified, if the identification method includes sampling.

3) The procedures that the owner or operator of an off-site landfill receiving containerized hazardous waste will use to determine whether a hazardous waste generator or treater has added a biodegradable sorbent to the waste in the container.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART G: CLOSURE AND POST-CLOSURE

Section 725.210 Applicability

Except as Section 725.101 provides otherwise:

a) Sections 725.211 through 725.215 (which concern closure) apply to the owners and operators of all hazardous waste management facilities; and

b) Sections 725.216 through 725.220 (which concern post-closure care) apply to the owners and operators of:

1) All hazardous waste disposal facilities; ~~and~~or

2) Waste piles and surface impoundments from which the owner or operator intends to remove the wastes at closure to the extent that these Sections are made applicable to such facilities in Sections 725.328 or 725.358; ~~and~~or

3) Tank systems which are required under Section 725.297 to meet requirements for landfills~~.~~; or

4) Containment buildings that are required under Section 725.1102 to meet the requirement for landfills.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.211 Closure Performance Standard

The owner or operator shall close the facility in a manner that:

a) Minimizes the need for further maintenance; and

b) Controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off or hazardous waste decomposition products to the ground or surface waters or to the atmosphere, and

c) Complies with the closure requirements of this Part, including, but not limited to, the requirements of Sections 725.297, 725.328, 725.358, 725.380, 725.410, 725.451, 725.481~~and~~, 725.504 and

725.1102.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.212 Closure Plan; Amendment of Plan

a) Written Plan. Within six months after the effective date of the rule that first subjects a facility to provisions of this Section, the owner or operator of a hazardous waste management facility shall have a written closure plan. Until final closure is completed and certified in accordance with Section 725.215, a copy of the most current plan must be furnished to the Agency upon request including request by mail. In addition, for facilities without approved plans, it must also be provided during site inspections on the day of inspection to any officer, employee or representative of the Agency.

b) Content of plan. The plan must identify the steps necessary to perform partial or final closure of the facility at any point during its active life. The closure plan must include, at least:

1) A description of how each hazardous waste management unit at the facility will be closed in accordance with Section 725.211; and

2) A description of how final closure of the facility will be conducted in accordance with Section 725.211. The description must identify the maximum extent of the operation which will be unclosed during the active life of the facility; and

3) An estimate of the maximum inventory of hazardous wastes ever on-site over the active life of the facility and a detailed description of the methods to be used during partial and final closure, including, but not limited to methods for removing, transporting, treating, storing or disposing of all hazardous waste, and identification of and the type(s) of off-site hazardous waste management unit(s) to be used, if applicable; and

4) A detailed description of the steps needed to remove or decontaminate all hazardous waste residues and contaminated containment system components, equipment, structures and soils during partial and final closure including, but not limited to, procedures for cleaning equipment and removing contaminated soils, methods for sampling and testing surrounding soils and criteria for determining the extent of decontamination necessary to satisfy the closure performance standard; and

5) A detailed description of other activities necessary during the partial and final closure period to ensure that all partial closures and final closure satisfy the closure performance standards, including, but not limited to, groundwater monitoring, leachate collection, and run-on and run-off control; and

6) A schedule for closure of each hazardous waste management

unit and for final closure of the facility. The schedule must include, at a minimum, the total time required to close each hazardous waste management unit and the time required for intervening closure activities which will allow tracking of the progress of partial and final closure. (For example, in the case of a landfill unit, estimates of the time required to treat or dispose of all hazardous waste inventory and of the time required to place a final cover must be included.); and

7) An estimate of the expected year of final closure for facilities that use trust funds to demonstrate financial assurance under Sections 725.243 or 725.245 and whose remaining operating life is less than twenty years, and for facilities without approved closure plans.

c) Amendment of plan. The owner or operator may amend the closure plan at any time prior to the notification of partial or final closure of the facility. An owner or operator with an approved closure plan shall submit a written request to the Agency to authorize a change to the approved closure plan. The written request must include a copy of the amended closure plan for approval by the Agency.

1) The owner or operator shall amend the closure plan, whenever:

A) Changes in the operating plans or facility design affect the closure plan, or

B) Whenever there is a change in the expected year of closure, if applicable, or

C) In conducting partial or final closure activities, unexpected events require a modification of the closure plan.

2) The owner or operator shall amend the closure plan at least 60 days prior to the proposed change in facility design or operation, or no later than 60 days after an unexpected event has occurred which has affected the closure plan. If an unexpected event occurs during the partial or final closure period, the owner or operator shall amend the closure plan no later than 30 days after the unexpected event. These provisions also apply to owners or operators of surface impoundments and waste piles who intended to remove all hazardous wastes at closure, but are required to close as landfills in accordance with Section 725.410.

3) An owner or operator with an approved closure plan shall submit the modified plan to the Agency at least 60 days prior to the proposed change in facility design or operation, or no more than 60 days after an unexpected event has occurred which has affected the closure plan. If an unexpected event has occurred during the partial or final closure period, the owner or operator shall submit the modified plan no more than 30 days after the unexpected event. These provisions also apply to owners or operators

of surface impoundments and waste piles who intended to remove all hazardous wastes at closure but are required to close as landfills in accordance with Section 725.410. If the amendment to the plan is a Class 2 or 3 modification according to the criteria in 35 Ill. Adm. Code 702.280, the modification to the plan shall be approved according to the procedures in subsection (d)(4), below.

4) The Agency may request modifications to the plan under the conditions described in subsection (c)(1), above. An owner or operator with an approved closure plan shall submit the modified plan within 60 days of the request from the Agency, or within 30 days if the unexpected event occurs during partial or final closure. If the amendment is considered a Class 2 or 3 modification according to the criteria in 35 Ill. Adm. Code 702.280, the modification to the plan must be approved in accordance with the procedures in subsection (d)(4), below.

d) Notification of partial closure and final closure.

1) When notice is required.

A) The owner or operator shall submit the closure plan to the Agency at least 180 days prior to the date on which the owner or operator expects to begin closure of the first surface impoundment, waste pile, land treatment or landfill unit, or final closure if it involves such a unit, whichever is earlier.

B) The owner or operator shall submit the closure plan to the Agency at least 45 days prior to the date on which the owner or operator expects to begin partial or final closure of a boiler or industrial furnace.

C) The owner or operator shall submit the closure plan to the Agency at least 45 days prior to the date on which the owner or operator expects to begin final closure of a facility with only tanks, container storage or incinerator units.

D) Owners or operators with approved closure plans shall notify the Agency in writing at least 60 days prior to the date on which the owner or operator expects to begin closure of a surface impoundment, waste pile, landfill or land treatment unit, or final closure of a facility involving such a unit.

E) Owners or operators with approved closure plans shall notify the Agency in writing at least 45 days prior to the date on which the owner or operator expects to begin partial or final closure of a boiler or industrial furnace.

F) Owners and operators with approved closure plans shall notify the Agency in writing at least 45 days prior to the date on which the owner or operator expects to begin final closure of a facility with only tanks,

container storage or incinerator units.

2) The date when the owner or operator "expects to begin closure" must be either:

A) Within 30 days after the date on which any hazardous waste management unit receives the known final volume of hazardous wastes or, if there is a reasonable possibility that the hazardous waste management unit will receive additional hazardous wastes, no later than one year after the date on which the unit received the most recent volume of hazardous waste. If the owner or operator of a hazardous waste management unit demonstrates to the Agency that the hazardous waste management unit or facility has the capacity to receive additional hazardous wastes and that the owner or operator has taken and will continue to take, all steps to prevent threats to human health and the environment, including compliance with all interim status requirements, the Agency shall approve an extension to this one-year limit; or

B) For units meeting the requirements of Section 725.213(d), no later than 30 days after the date on which the hazardous waste management unit receives the known final volume of non-hazardous wastes, or, if there is a reasonable possibility that the hazardous waste management unit will receive additional non-hazardous wastes, no later than one year after the date on which the unit received the most recent volume of non-hazardous wastes. If the owner or operator demonstrates to the Agency that the hazardous waste management unit has the capacity to receive additional non-hazardous wastes and that the owner and operator have taken, and will continue to take, all steps to prevent threats to human health and the environment, including compliance with all applicable interim status requirements, the Agency shall approve an extension to this one-year limit.

3) The owner or operator shall submit the closure plan to the Agency no later than 15 days after:

A) Termination of interim status (except when a permit is issued to the facility simultaneously with termination of interim status); or

B) Issuance of a judicial decree or Board order to cease receiving hazardous wastes or close.

4) The Agency shall provide the owner or operator and the public, through a newspaper notice, the opportunity to submit written comments on the plan and request modifications of the plan no later than 30 days from the date of the notice. The Agency shall also, in response to a request or at its own discretion, hold a public hearing whenever such a hearing might clarify one or more issues concerning a closure plan. The Agency shall give public

notice of the hearing at least 30 days before it occurs. (Public notice of the hearing may be given at the same time as notice of the opportunity for the public to submit written comments and the two notices may be combined.) The Agency shall approve, modify or disapprove the plan within 90 days of its receipt. If the Agency does not approve the plan, the Agency shall provide the owner or operator with a detailed written statement of reasons for the refusal, and the owner or operator shall modify the plan or submit a new plan for approval within 30 days after receiving such written statement. The Agency shall approve or modify this plan in writing within 60 days. If the Agency modifies the plan, this modified plan becomes the approved closure plan. The Agency shall assure that the approved plan is consistent with Sections 725.211 through 725.215 and the applicable requirements of Sections 725.190 et seq., 725.297, 725.328, 725.358, 725.380, 725.410, 725.451, 725.481~~and~~, 725.504, and 724.1102. A copy of this modified plan with a detailed statement of reasons for the modifications must be mailed to the owner or operator.

e) Removal of wastes and decontamination or dismantling of equipment. Nothing in this Section precludes the owner or operator from removing hazardous wastes and decontaminating or dismantling equipment in accordance with the approved partial or final closure plan at any time before or after notification of partial or final closure.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART H: FINANCIAL REQUIREMENTS

Section 725.240 Applicability

a) The requirements of Sections 725.242, 725.243, and 725.247 through 725.250 apply to owners and operators of all hazardous waste facilities, except as provided otherwise in this Section or in Section 725.101.

b) The requirements of Section 725.244 and 725.246 apply only to owners and operators of:

1) Disposal facilities; or

2) Tank systems that are required under Section 725.297 to meet the requirements for landfills~~.~~; or

3) Containment buildings that are required under 725.1102 to meet the requirements for landfills.

c) States and the Federal Government are exempt from the requirements of this Subpart.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.242 Cost Estimate for Closure

a) The owner or operator shall have a detailed written estimate, in

current dollars, of the cost of closing the facility in accordance with the requirements in Sections 725.211 through 725.215 and applicable closure requirements of Sections 725.278, 725.297, 725.328, 725.358, 725.380, 725.410, 725.451, 725.481~~and~~, 725.504, and 725.1102.

1) The estimate must equal the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan (see Section 725.212(b)); and

2) The closure cost estimate must be based on the costs to the owner or operator of hiring a third party to close the facility. A third party is a party who is neither a parent nor a subsidiary of the owner or operator. (See definition of "parent corporation" in Section 725.241(d).) The owner or operator may use costs for on-site disposal if the owner or operator demonstrates that on-site disposal capacity will exist at all times over the life of the facility.

3) The closure cost estimate must not incorporate any salvage value that may be realized by the sale of hazardous wastes, or non-hazardous wastes if applicable under Section 725.213(d), facility structures or equipment, land or other facility assets at the time of partial or final closure.

4) The owner or operator shall not incorporate a zero cost for hazardous waste, or non-hazardous waste if applicable under Section 725.213(d), which may have economic value.

b) During the active life of the facility, the owner or operator shall adjust the closure cost estimate for inflation within 60 days prior to the anniversary date of the establishment of the financial instruments used to comply with Section 725.243. For owners and operators using the financial test or corporate guarantee, the closure cost estimate must be updated for inflation within 30 days after the close of the firm's fiscal year and before submission of updated information to the Agency as specified in Section 725.243(e)(5). The adjustment may be made by recalculating the closure cost estimate in current dollars, or by using an inflation factor derived from the most recent annual Implicit Price Deflator for Gross National Product as published by the U.S. Department of Commerce in its Survey of Current Business as specified in subsections (b)(1) and (b)(2), below. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year.

1) The first adjustment is made by multiplying the closure cost estimate by the inflation factor. The result is the adjusted closure cost estimate.

2) Subsequent adjustments are made by multiplying the latest adjusted closure cost estimate by the latest inflation factor.

c) During the active life of the facility, the owner or operator shall revise the closure cost estimate no later than 30 days after

a revision has been made to the closure plan which increases the cost of closure. If the owner or operator has an approved closure plan, the closure cost estimate must be revised no later than 30 days after the Agency has approved the request to modify the closure plan if the change in the closure plan increases the cost of closure. The revised closure cost estimate must be adjusted for inflation as specified in subsection (b), above.

d) The owner or operator shall keep the following at the facility during the operating life of the facility: The latest closure cost estimate prepared in accordance with subsections (a) and (c), above, and, when this estimate has been adjusted in accordance with subsection (b), above, the latest adjusted closure cost estimate.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.243 Financial Assurance for Closure

An owner or operator of each facility shall establish financial assurance for closure of the facility. The owner or operator shall choose from the options as specified in subsections (a) through (e), below.

a) Closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by establishing a closure trust fund which conforms to the requirements of this subsection and submitting an original, signed duplicate of the trust agreement to the Agency. The trustee must be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

2) The wording of the trust agreement must be as specified in 35 Ill. Adm. Code 724.251 and the trust agreement must be accompanied by a formal certification of acknowledgment as specified in 35 Ill. Adm. Code 724.251. Schedule A of the trust agreement must be updated within 60 days after a change in the amount of the current closure cost estimate covered by the agreement.

3) Payments into the trust fund must be made annually by the owner or operator over the 20 years beginning May 19, 1981, or over the remaining operating life of the facility as estimated in the closure plan, whichever period is shorter; this period is hereafter referred to as the "pay-in period." The payments into the closure trust fund must be made as follows:

A) The first payment must be made before May 19, 1981, except as provided in subsection (a)(5), below. The first payment must be at least equal to the current closure cost estimate, except as provided in subsection (f), below, divided by the number of years in the pay-in period.

B) Subsequent payments must be made no later than 30 days after each anniversary date of the first payment. The

amount of each subsequent payment must be determined by this formula:

Next payment = (CE - CV) / Y

where CE is the current closure cost estimate, CV is the current value of the trust fund and Y is the number of years remaining in the pay-in period.

4) The owner or operator may accelerate payments into the trust fund or may deposit the full amount of the current closure cost estimate at the time the fund is established. However, the owner or operator shall maintain the value of the fund at no less than the value that the fund would have if annual payments were made as specified in subsection (a)(3), above.

5) If the owner or operator establishes a closure trust fund after having used one or more alternate mechanisms specified in this Section, the owner or operator's first payment must be in at least the amount that the fund would contain if the trust fund were established initially and annual payments made as specified in subsection (a)(3), above.

6) After the pay-in period is completed, whenever the current closure cost estimate changes, the owner or operator shall compare the new estimate with the trustee's most recent annual valuation of the trust fund. If the value of the fund is less than the amount of the new estimate, the owner or operator, within 60 days after the change in the cost estimate, shall either deposit an amount into the fund so that its value after this deposit at least equals the amount of the current closure cost estimate, or obtain other financial assurance as specified in this Section to cover the difference.

7) If the value of the trust fund is greater than the total amount of the current closure cost estimate, the owner or operator may submit a written request to the Agency for release of the amount in excess of the current closure cost estimate.

8) If an owner or operator substitutes other financial assurance as specified in this Section for all or part of the trust fund, the owner or operator may submit a written request to the Agency for release of the amount in excess of the current closure cost estimate covered by the trust fund.

9) Within 60 days after receiving a request from the owner or operator for release of funds as specified in subsections (a)(7) or (a)(8), above, the Agency shall instruct the trustee to release to the owner or operator such funds as the Agency specifies in writing.

10) After beginning partial or final closure, an owner or operator or another person authorized to conduct partial or final closure may request reimbursement for closure expenditures by submitting itemized bills to the Agency.

The owner or operator may request reimbursement for partial closure only if sufficient funds are remaining in the trust fund to cover the maximum costs of closing the facility over its remaining operating life. Within 60 days after receiving bills for partial or final closure activities, the Agency shall instruct the trustee to make reimbursement in those amounts as the Agency specifies in writing if the Agency determines that the partial or final closure expenditures are in accordance with the approved closure plan, or otherwise justified. If the Agency determines that the maximum cost of closure over the remaining life of the facility will be significantly greater than the value of the trust fund, it shall withhold reimbursement of such amounts as it deems prudent until it determines, in accordance with subsection (h), below, that the owner or operator is no longer required to maintain financial assurance for final closure of the facility. If the Agency does not instruct the trustee to make such reimbursements, the Agency shall provide the owner or operator a detailed written statement of reasons.

11) The Agency shall agree to termination of the trust when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (h), below.

b) Surety bond guaranteeing payment into a closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting the bond to the Agency. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury.

2) The wording of the surety bond must be as specified in 35 Ill. Adm. Code 724.251.

3) The owner or operator who uses a surety bond to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the bond, all payments made thereunder will be deposited by the surety directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements specified in subsection (a), above except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the surety bond; and

B) Until the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (see 40 CFR 264.251(a)) to show current closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The bond must guarantee that the owner or operator will:

A) Fund the standby trust fund in an amount equal to the penal sum of the bond before the beginning of final closure of the facility; or

B) Fund the standby trust fund in an amount equal to the penal sum within 15 days after an order to begin final closure is issued by the Board or a U.S. district court or other court of competent jurisdiction; or

C) Provide alternate financial assurance as specified in this Section, and obtain the Agency's written approval of the assurance provided, within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the bond from the surety.

5) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond.

6) The penal sum of the bond must be in an amount at least equal to the current closure cost estimate, except as provided in subsection (f), below.

7) Whenever the current closure cost estimate increases to an amount greater than the penal sum, the owner or operator, within 60 days after the increase, shall either cause the penal sum to be increased to an amount at least equal to the current closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current closure cost estimate decreases, the penal sum may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

8) Under the terms of the bond, the surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

9) The owner or operator may cancel the bond if the Agency has given prior written consent based on its receipt of evidence of alternate financial assurance as specified in this Section.

c) Closure letter of credit.

1) An owner or operator may satisfy the requirements of this Section by obtaining an irrevocable standby letter of credit which conforms to the requirements of this subsection and submitting the letter to the Agency. The issuing institution must be an entity which has the authority to issue letters of credit and whose letter-of-credit operations are regulated and examined by a Federal or State agency.

2) The wording of the letter of credit must be as specified in 35 Ill. Adm. Code 724.251.

3) An owner or operator who uses a letter of credit to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the letter of credit, all amounts paid pursuant to a draft by the Agency will be deposited by the issuing institution directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements of the trust fund specified in subsection (a), above, except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the letter of credit; and

B) Unless the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations.

i) Payments into the trust fund as specified in subsection (a), above;

ii) Updating of Schedule A of the trust agreement (as specified in 35 Ill. Adm. Code 724.251) to show current closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The letter of credit must be accompanied by a letter from the owner or operator referring to the letter of credit by number, issuing institution, and date and providing the following information: the EPA Identification Number, name and address of the facility, and the amount of funds assured for closure of the facility by the letter of credit.

5) The letter of credit must be irrevocable and issued for a

period of at least 1 year. The letter of credit must provide that the expiration date will be automatically extended for a period of at least 1 year unless, at least 120 days before the current expiration date, the issuing institution notifies both the owner or operator and the Agency by certified mail of a decision not to extend the expiration date. Under the terms of the letter of credit, the 120 days will begin on the date when both the owner or operator and the Agency have received the notice, as evidenced by the return receipts.

6) The letter of credit must be issued in an amount at least equal to the current closure cost estimate, except as provided in subsection (f), below.

7) Whenever the current closure cost estimate increases to an amount greater than the amount of the credit, the owner or operator, within 60 days after the increase, shall either cause the amount of the credit to be increased so that it at least equals the current closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current closure cost estimate decreases, the amount of the credit may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

8) Following a final judicial determination or Board order finding that the owner or operator has failed to perform final closure in accordance with the approved closure plan when required to do so, the Agency may draw on the letter of credit.

9) If the owner or operator does not establish alternate financial assurance as specified in this Section and obtain written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice from issuing institution that it has decided not to extend the letter of credit beyond the current expiration date, the Agency shall draw on the letter of credit. The Agency may delay the drawing if the issuing institution grants an extension of the term of the credit. During the last 30 days of any such extension the Agency shall draw on the letter of credit if the owner or operator has failed to provide alternate financial assurance as specified in this Section and obtain written approval of such assurance from the Agency.

10) The Agency shall return the letter of credit to the issuing institution for termination when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (h), below.

d) Closure insurance.

1) An owner or operator may satisfy the requirements of this Section by obtaining closure insurance which conforms to the requirements of this subsection and submitting a certificate of such insurance to the Agency. At a minimum, the insurer must be licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more States.

2) The wording of the certificate of insurance must be as specified in 35 Ill. Adm. Code 724.251.

3) The closure insurance policy must be issued for a face amount at least equal to the current closure cost estimate, except as provided in subsection (f), below. The term "face amount" means the total amount the insurer is obligated to pay under the policy. Actual payments by the insurer will not change the face amount, although the insurer's future liability will be lowered by the amount of the payments.

4) The closure insurance policy must guarantee that funds will be available to close the facility whenever final closure occurs. The policy must also guarantee that, once final closure begins, the insurer will be responsible for paying out funds, up to an amount equal to the face amount of the policy, upon the direction of the Agency to such party or parties as the Agency specifies.

5) After beginning partial or final closure, an owner or operator or any other person authorized to conduct closure may request reimbursement for closure expenditures by submitting itemized bills to the Agency. The owner or operator may request reimbursement for partial closure only if the remaining value of the policy is sufficient to cover the maximum costs of closing the facility over its remaining operating life. Within 60 days after receiving bills for closure activities, the Agency shall instruct the insurer to make reimbursement in such amounts as the Agency specifies in writing if the Agency determines that the partial or final closure expenditures are in accordance with the approved closure plan or otherwise justified. If the Agency determines that the maximum cost of closure over the remaining life of the facility will be significantly greater than the face amount of the policy, it shall withhold reimbursement of such amounts as it deems prudent until it determines, in accordance with subsection (h), below, that the owner or operator is no longer required to maintain financial assurance for final closure of the particular facility. If the Agency does not instruct the insurer to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

6) The owner or operator shall maintain the policy in full force and effect until the Agency consents to termination of the policy by the owner or operator as specified in subsection (d)(10), below. Failure to pay the premium, without substitution of alternate financial assurance as

specified in this Section, will constitute a significant violation of these regulations, warranting such remedy as the Board may impose pursuant to the Environmental Protection Act. Such violation will be deemed to begin upon receipt by the Agency of a notice of future cancellation, termination or failure to renew due to nonpayment of the premium, rather than upon the date of expiration.

7) Each policy must contain a provision allowing assignment of the policy to a successor owner or operator. Such assignment may be conditional upon consent of the insurer, provided such consent is not unreasonably refused.

8) The policy must provide that the insurer may not cancel, terminate or fail to renew the policy except for failure to pay the premium. The automatic renewal of the policy must, at a minimum, provide the insured with the option of renewal at the face amount of the expiring policy. If there is a failure to pay the premium, the insurer may elect to cancel, terminate or fail to renew the policy by sending notice by certified mail to the owner or operator and the Agency. Cancellation, termination or failure to renew may not occur, however, during the 120 days beginning with the date of receipt of the notice by both the Agency and the owner or operator, as evidenced by the return receipts. Cancellation, termination or failure to renew may not occur and the policy will remain in full force and effect in the event that on or before the date of expiration:

A) The Agency deems the facility abandoned; or

B) Interim status is terminated or revoked; or

C) Closure is ordered by the Board or a U.S. district court or other court of competent jurisdiction; or

D) The owner or operator is named as debtor in a voluntary or involuntary proceeding under 11 U.S.C. (Bankruptcy); or

E) The premium due is paid.

9) Whenever the current closure cost estimate increases to an amount greater than the face amount of the policy, the owner or operator, within 60 days after the increase, shall either cause the face amount to be increased to an amount at least equal to the current closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current closure cost estimate decreases, the face amount may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

10) The Agency shall give written consent to the owner or operator that the owner or operator may terminate the insurance policy when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (h) below.

e) Financial test and corporate guarantee for closure.

1) An owner or operator may satisfy the requirements of this Section by demonstrating that the owner or operator passes a financial test as specified in this subsection. To pass this test the owner or operator shall meet the criteria of either subsection (e)(1)(A) or (e)(1)(B), below:

A) The owner or operator shall have:

i) Two of the following three ratios: a ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5; and

ii) Net working capital and tangible net worth each at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assests located in the United States amounting to at least 90 percent of total assets or at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates.

B) The owner or operator shall have:

i) A current rating for its most recent bond issuance of AAA, AA, A or BBB as issued by Standard and Poor's or Aaa, Aa, A or Baa as issued by Moody's; and

ii) Tangible net worth at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assets located in the United States amounting to at least 90 percent of total assets or at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates.

2) The phrase "current closure and post-closure cost estimates" as used in subsection (e)(1), above, refers to the cost estimates required to be shown in subsections 1 through 4 of the letter from the owner's or operator's chief financial officer (40 CFR 264.151(f)) (incorporated by reference in 35 Ill. Adm. Code 724.251). The phrase "current plugging and abandonment cost estimates" as used in subsection (e)(1), above, refers to the cost estimates required to be shown in subsections 1 through 4 of the letter from the owner's or operator's chief financial officer (40 CFR 144.70(f)), incorporated by reference in 35 Ill. Adm. Code 704.240.

3) To demonstrate that the owner or operator meets this test, the owner or operator shall submit the following items to the Agency:

A) A letter signed by the owner's or operator's chief financial officer and worded as specified in 35 Ill. Adm. Code 724.251; and

B) A copy of the independent certified public accountant's report on examination of the owner's or operator's financial statements for the latest completed fiscal year; and

C) A special report from the owner's or operator's independent certified public accountant to the owner or operator stating that:

i) The accountant has compared the data which the letter from the chief financial officer specifies as having been derived from the independently audited, year-end financial statements for the latest fiscal year with the amounts in such financial statements; and

ii) In connection with that procedure, no matters came to the accountant's attention which caused the accountant to believe that the specified data should be adjusted.

5) After the initial submission of items specified in subsection (e)(3), above, the owner or operator shall send updated information to the Agency within 90 days after the close of each succeeding fiscal year. This information must consist of all three items specified in subsection (e)(3), above.

6) If the owner or operator no longer meets the requirements of subsection (e)(1), above,, the owner or operator shall send notice to the Agency of intent to establish alternate financial assurance as specified in this Section. The notice must be sent by certified mail within 90 days after the end of the fiscal year for which the year-end financial data show that the owner or operator no longer meets the requirements. The owner or operator shall provide the alternate financial assurance within 120 days after the end of such fiscal year.

7) The Agency may, based on a reasonable belief that the owner or operator may no longer meet the requirements of subsection (e)(1), above,, require reports or financial condition at any time from the owner or operator in addition to those specified in subsection (e)(3), above. If the Agency finds, on the basis of such reports or other information, that the owner or operator no longer meets the requirements of subsection (e)(1), above, the owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of such a finding.

8) The Agency may disallow use of this test on the basis of qualifications in the opinion expressed by the independent certified public accountant in the accountant's report on examination of the owner's or operator's financial statements (see subsection (e)(3)(B), above). An adverse opinion or a disclaimer of opinion will be cause for disallowance. The Agency shall evaluate other qualifications on an individual basis. The owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of the disallowance.

9) The owner or operator is no longer required to submit the items specified in subsection (e)(3), above, when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (h), below.

10) An owner or operator may meet the requirements of this Section by obtaining a written guarantee, hereafter referred to as "corporate guarantee." The guarantor shall be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or opeartor, or a firm with a "substantial business relationship" with the owner or operator. The guarantor shall meet the requirements for owners or operators in subsections (e)(1) through (e)(8), above, and shall comply with the terms of the corporate guarantee. The wording of the corporate guarantee must be identical to the wording ~~as~~ specified in 35 Ill. Adm. Code 724.251. The corporate guarantee must accompany the items sent to the Agency as specified in subsection (e)(3), above. One of these items must be the letter from the guarantor's chief financial officer. If the guarantor's parent corporation is also the parent corporation of the owner or operator, the letter must describe the value received in consideration of the guarantee. If the guarantor is a firm with a "substantial business relationship" with the owner or operator, this letter must describe this substantial business relationship" and the value received in consideration of the guarantee. The terms of the corporate guarantee must provide that:

A) If the owner or operator fails to perform final closure of a facility covered by the corporate guarantee in accordance with the closure plan and other interim status requirements whenever required to do so, the guarantor will do so or establish a trust fund as specified in subsection (a), above, in the name of the owner or operator.

B) The corporate guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

C) If the owner or operator fails to provide alternate financial assurance as specified in this Section and obtain the written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the corporate guarantee from the guarantor, the guarantor will provide such alternate financial assurance in the name of the owner or operator.

f) Use of multiple financial mechanisms. An owner or operator may satisfy the requirements of this Section by establishing more than one financial mechanism per facility. These mechanisms are limited to trust funds, surety bonds, letters of credit and insurance. The mechanisms must be as specified in subsections (a) through (d), above, respectively, except that it is the combination of mechanisms, rather than the single mechanism, which must provide financial assurance for an amount at least equal to the current closure cost estimate. If an owner or operator uses a trust fund in combination with a surety bond or a letter of credit, the owner or operator may use the trust fund as the standby trust fund for the other mechanisms. A single standby trust fund may be established for two or more mechanisms. The Agency may use any or all of the mechanisms to provide for closure of the facility.

g) Use of a financial mechanism for multiple facilities. An owner or operator may use a financial assurance mechanism specified in this Section to meet the requirements of this Section for more than one facility. Evidence of financial assurance submitted to the Agency must include a list showing, for each facility, the EPA Identification Number, name, address and the amount of funds for closure assured by the mechanism. The amount of funds available through the mechanism must be no less than the sum of funds that would be available if a separate mechanism had been established and maintained for each facility. The amount of funds available to the Agency must be sufficient to close all of the owner or operator's facilities. In directing funds available through the mechanism for closure of any of the facilities covered by the mechanism, the Agency may direct only the amount of funds designated for that facility, unless the owner or operator agrees to the use of additional funds available under the mechanism.

h) Release of the owner or operator from the requirements of this Section. Within 60 days after receiving certifications from the owner or operator and an independent registered professional engineer that final closure has been completed in accordance with the approved closure plan, the Agency shall notify the owner or operator in writing that the owner or operator is no longer required by this Section to maintain financial assurance for closure of the facility, unless the Agency determines that closure has not been in accordance with the approved closure plan. The Agency shall provide the owner or operator a detailed written statement of any such determination that closure has not been in accordance with the approved closure plan.

j) Appeal. The following Agency actions are deemed to be permit modifications or refusals to modify for purposes of appeal to the Board (35 Ill. Adm. Code 702.184(e)(3)):

1) An increase in, or a refusal to decrease the amount of, a bond, letter of credit or insurance;

2) Requiring alternate assurance upon a finding that an owner or operator, or parent corporation, no longer meets a financial test.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.245 Financial Assurance for Post-closure Monitoring and Maintenance

An owner or operator of a facility with a hazardous waste disposal unit shall establish financial assurance for post-closure care of the disposal unit(s). The owner or operator shall choose from the following options:

a) Post-closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by establishing a post-closure trust fund which conforms to the requirements of this subsection and submitting an original, signed dulicate of the trust agreement to the Agency. The trustee must be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

2) The wording of the trust agreement must be as specified in 35 Ill. Adm. Code 724.251 and the trust agreement must be accompanied by a formal certification of acknowledgment (as specified in 35 Ill. Adm. Code 724.251). Schedule A of the trust agreement must be updated within 60 days after a change in the amount of the current post-closure cost estimate covered by the agreement.

3) Payments into the trust fund must be made annually by the owner or operator over the 20 years beginning May 19, 1981, or over the remaining operating life of the facility as estimated in the closure plan, whichever period is shorter; this period is hereafter referred to as the "pay-in period." The payments into the post-closure trust fund must be made

as follows:

A) The first payment must be made before May 19, 1981, except as provided in subsection (a)(5), above. The first payment must be at least equal to the current post-closure cost estimate, except as provided in subsection (f), above, divided by the number of years in the pay-in period.

B) Subsequent payments must be made no later than 30 days after each anniversary date of the first payment. The amount of each subsequent payment must be determined by this formula:

Next Payment = (CE - CV) / Y

where CE is the current post-closure cost estimate, CV is the current value of the trust fund and Y is the number of years remaining in the pay-in period.

4) The owner or operator may accelerate payments into the trust fund or may deposit the full amount of the current post-closure cost estimate at the time the fund is established. However, the owner or operator shall maintain the value of the fund at no less than the value that the fund would have if annual payments were made as specified in subsection (a)(3), above.

5) If the owner or operator establishes a post-closure trust fund after having used one or more alternate mechanisms specified in this Section, the owner or operator's first payment must be in at least the amount that the fund would contain if the trust fund were established initially and annual payments made as specified in subsection (a)(3), above.

6) After the pay-in period is completed, whenever the current post-closure cost estimate changes during the operating life of the facility, the owner or operator shall compare the new estimate with the trustee's most recent annual valuation of the trust fund. If the value of the fund is less than the amount of the new estimate, the owner or operator, within 60 days after the change in the cost estimate, shall either deposit an amount into the fund so that its value after this deposit at least equals the amount of the current post-closure cost estimate, or obtain other financial assurance as specified in this Section to cover the difference.

7) During the operating life of the facility, if the value of the trust fund is greater than the total amount of the current post-closure cost estimate, the owner or operator may submit a written request to the Agency for release of the amount in excess of the current post-closure cost estimate.

8) If an owner or operator substitutes other financial assurance as specified in this Section for all or part of

the trust fund, owner or operator may submit a written request to the Agency for release of the amount in excess of the current post-closure cost estimate covered by the trust fund.

9) Within 60 days after receiving a request from the owner or operator for release of funds as specified in subsections (a)(7) or (a)(8), above, the Agency shall instruct the trustee to release to the owner or operator such funds as the Agency specifies in writing.

10) During the period of post-closure care, the Agency shall approve a release of funds if the owner or operator demonstrates to the Agency that the value of the trust fund exceeds the remaining cost of post-closure care.

11) An owner or operator or any other person authorized to perform post-closure care may request reimbursement for post-closure care expenditures by submitting itemized bills to the Agency. Within 60 days after receiving bills for post-closure activities, the Agency shall instruct the trustee to make reimbursement in those amounts as the Agency specifies in writing if the Agency determines that the post-closure care expenditures are in accordance with the approved post-closure plan or otherwise justified. If the Agency does not instruct the trustee to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

12) The Agency shall agree to termination of a trust when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (h), below.

b) Surety bond guaranteeing payment into a post-closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting the bond to the Agency. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury.

2) The wording of the surety bond must be as specified in 35 Ill. Adm. Code 724.251.

3) The owner or operator who uses a surety bond to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the bond, all payments made thereunder will be deposited by the surety directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements specified in subsection (a), above, except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the surety bond; and

B) Until the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a), above;

ii) Updating of Schedule A of the trust agreement (as specified in 35 Ill. Adm. Code 724.251) to show current post-closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The bond must guarantee that the owner or operator will:

A) Fund the standby trust fund in an amount equal to the penal sum of the bond before the beginning of final closure of the facility; or

B) Fund the standby trust fund in an amount equal to the penal sum within 15 days after an order to begin closure is issued by the Board or a U.S. district court or other court of competent jurisdiction; or

C) Provide alternate financial assurance as specified in this Section, and obtain the Agency's written approval of the assurance provided, within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the bond from the surety.

5) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond.

6) The penal sum of the bond must be in an amount at least equal to the current post-closure cost estimate, except as provided in subsection (f), above.

7) Whenever the current post-closure cost estimate increases to an amount greater than the penal sum, the owner or operator, within 60 days after the increase, shall either cause the penal sum to be increased to an amount at least equal to the current post-closure cost estimate and submit evidence of such increase to the Agency or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current post-closure cost estimate decreases, the penal sum may be reduced to the amount of the

current post-closure cost estimate following written approval by the Agency.

8) Under the terms of the bond, the surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

9) The owner or operator may cancel the bond if the Agency has given prior written consent based on its receipt of evidence of alternate financial assurance as specified in this Section.

c) Post-closure letter of credit.

1) An owner or operator may satisfy the requirements of this Section by obtaining an irrevocable standby letter of credit which conforms to the requirements of this subsection and submitting the letter to the Agency. The issuing institution shall be an entity which has the authority to issue letters of credit and whose letter-of-credit operations are regulated and examined by a Federal or State agency.

2) The wording of the letter of credit must be as specified in 35 Ill. Adm. Code 724.251.

3) An owner or operator who uses a letter of credit to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the letter of credit, all amounts paid pursuant to a draft by the Agency will be deposited by the issuing institution directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements of the trust fund specified in subsection (a), above, except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the letter of credit; and

B) Unless the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a), above;

ii) Updating of Schedule A of the trust agreement (as specified in 35 Ill. Adm. Code 724.151) to show current post-closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The letter of credit must be accompanied by a letter from the owner or operator referring to the letter of credit by number, issuing institution, and date and providing the following information: the EPA Identification Number, name and address of the facility, and the amount of funds assured for post-closure care of the facility by the letter of credit.

5) The letter of credit must be irrevocable and issued for a period of at least 1 year. The letter of credit must provide that the expiration date will be automatically extended for a period of at least 1 year unless, at least 120 days before the current expiration date, the issuing institution notifies both the owner or operator and the Agency by certified mail of a decision not to extend the expiration date. Under the terms of the letter of credit, the 120 days will begin on the date when both the owner or operator and the Agency have received the notice, as evidenced by the return receipts.

6) The letter of credit must be issued in an amount at least equal to the current post-closure cost estimate, except as provided in subsection (f), above.

7) Whenever the current post-closure cost estimate increases to an amount greater than the amount of the credit during the operating life of the facility, the owner or operator, within 60 days after the increase, shall either cause the amount of the credit to be increased so that it at least equals the current post-closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current cost estimate decreases during the operating life of the facility, the amount of the credit may be reduced to the amount of the current post-closure cost estimate following written approval by the Agency.

8) During the period of post-closure care, the Agency shall approve a decrease in the amount of the letter of credit if the owner or operator demonstrates to the Agency that the amount exceeds the remaining cost of post-closure care.

9) Following a final judicial determination or Board order finding that the owner or operator has failed to perform post-closure care in accordance with the approved post-closure plan and other interim status requirements, the Agency may draw on the letter of credit.

10) If the owner or operator does not establish alternate financial assurance as specified in this Section and obtain written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice from the issuing institution that it has decided not to extend the letter of credit beyond the

current expiration date, the Agency shall draw on the letter of credit. The Agency may delay the drawing if the issuing institution grants an extension of the term of the credit. During the last 30 days of any such extension the Agency shall draw on the letter of credit if the owner or operator has failed to provide alternate financial assurance as specified in this Section and obtain written approval of such assurance from the Agency.

11) The Agency shall return the letter of credit to the issuing institution for termination when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner of operator from the requirements of this Section in accordance with subsection (h), below.

d) Post-closure insurance.

1) An owner or operator may satisfy the requirements of this Section by obtaining post-closure insurance which conforms to the requirements of this subsection and submitting a certificate of such insurance to the Agency. At a minimum, the insurer shall be licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more states.

2) The wording of the certificate of insurance must be as specified in 35 Ill. Adm. Code 724.251.

3) The post-closure insurance policy must be issued for a face amount at least equal to the current post-closure estimate, except as provided in subsection (f), below. The term "face amount" means the total amount the insurer is obligated to pay under the policy. Actual payments by the insurer's will not change the face amount, although the insurer's future liability will be lowered by the amount of the payments.

4) The post-closure insurance policy must guarantee that funds will be available to provide post-closure care of facility whenever the post-closure period begins. The policy must also guarantee that, once post-closure care begins, the insurer will be responsible for paying out funds, up to an amount equal to the face amount of the policy, upon the direction of the Agency, to such party or parties as the Agency specifies.

5) An owner or operator or any other person authorized to perform post-closure care may request reimbursement for post-closure care expenditures by submitting itemized bills to the Agency. Within 60 days after receiving bills for post-closure activities, the Agency shall instruct the insurer to make reimbursement in such amounts as the Agency specifies in writing, if the Agency determines that the post-closure care expenditures are in accordance with the approved post-closure plan or otherwise justified. If the

Agency does not instruct the insurer to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

6) The owner or operator shall maintain the policy in full force and effect until the Agency consents to termination of the policy by the owner or operator as specified in subsection (d)(11), below. Failure to pay the premium, without substitution of alternate financial assurance as specified in this Section, will constitute a significant violation of these regulations, warranting such remedy as the Board may impose pursuant to the Environmental Protection Act. Such violation will be deemed to begin upon receipt by the Agency of a notice of future cancellation, termination or failure to renew due to nonpayment of the premium, rather than upon the date of expiration.

7) Each policy must contain a provision allowing assignment of the policy to a successor owner or operator. Such assignment may be conditional upon consent of the insurer, provided such consent is not unreasonably refused.

8) The policy must provide that the insurer may not cancel, terminate or fail to renew the policy except for failure to pay the premium. The automatic renewal of the policy must, at a minimum, provide the insured with the option of renewal at the face amount of the expiring policy. If there is a failure to pay the premium, the insurer may elect to cancel, terminate or fail to renew the policy by sending notice by certified mail to the owner or operator and the Agency. Cancellation, termination or failure to renew may not occur, however, during the 120 days beginning with the date of receipt of the notice by both the Agency and the owner or operator, as evidenced by the return receipts. Cancellation, termination or failure to renew may not occur, and the policy will remain in full force and effect in the event that on or before the date of expiration:

A) The Agency deems the facility abandoned; or

B) Interim status is terminated or revoked; or

C) Closure is ordered by the Board or a U.S. district court or other court of competent jurisdiction; or

D) The owner or operator is named as debtor in a voluntary or involuntary proceeding under 11 U.S.C. (Bankruptcy); or

E) The premium due is paid.

9) Whenever the current post-closure cost estimate increases to an amount greater than the face amount of the policy during the operating life of the facility, the owner or operator, within 60 days after the increase, shall either cause the face amount to be increased to an amount at least equal to the current post-closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial

assurance as specified in this Section to cover the increase. Whenever the current post-closure cost estimate decreases during the operating life of the facility, the face amount may be reduced to the amount of the current post-closure cost estimate following written approval by the Agency.

10) Commencing on the date that liability to make payments pursuant to the policy accrues, the insurer shall thereafter annually increase the face amount of the policy. Such increase must be equivalent to the face amount of the policy, less any payments made, multiplied by an amount equivalent to 85 percent of the most recent investment rate or of the equivalent coupon-issue yield announced by the U.S. Treasury for 26-week Treasury securities.

11) The Agency shall give written consent to the owner or operator that the owner or operator may terminate the insurance policy when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (h), below.

e) Financial test and corporate guarantee for post-closure care.

1) An owner or operator may satisfy the requirements of this Section by demonstrating that the owner or operator passes a financial test as specified in this subsection. To pass this test the owner or operator shall meet the criteria of either subsection (e)(1)(A) or (e)(1)(B), below:

A) The owner or operator shall have:

i) Two of the following three ratios: a ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5; and

ii) Net working capital and tangible net worth each at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates; and

iii) Tangible new worth of at least $10 million; and

iv) Assets in the United States amounting to at least 90 percent of total assets or at least six times the sum of the current closure and post-closure cost estimates and the plugging and abandonment cost estimates.

B) The owner or operator shall have:

i) A current rating for its most recent bond issuance of AAA, AA, A or BBB as issued by Standard and Poor's or Aaa, Aa, A or Baa as issued by Moody's; and

ii) Tangible net worth at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assets located in the United States amounting to at least 90 percent of its total assets or at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates.

2) The phrase "current closure and post-closure cost estimates" as used in subsection (e)(1), above, refers to the cost estimates required to be shown in subsections 1 through 4 of the letter from the owner's or operator's chief financial officer (40 CFR 264.151(f)) (incorporated by reference in 35 Ill. Adm. Code 724.251). The phrases "current plugging and abandonment cost estimates" as used in subsection (e)(1), above, refers to the cost estimates required to be shown in subsections 1 through 4 of the letter from the owner's or operator's chief financial officer (40 CFR 144.70(f)), incorporated by reference in 35 Ill. Adm. Code 704.240.

3) To demonstrate that it meets this test, the owner or operator shall submit the following items to the Agency:

A) A letter signed by the owner's or operator's chief financial officer and worded as specified in 35 Ill. Adm. Code 724.251; and

B) A copy of the independent certified public accountant's report on examination of the owner's or operator's financial statements for the latest completed fiscal year; and

C) A special report from the owner's or operator's independent certified public accountant to the owner or operator stating that:

i) The accountant has compared the data which the letter from the chief financial officer specifies as having been derived from the independently audited, year-end financial statements for the latest fiscal year with the amounts in such financial statements; and

ii) In connection with that procedure, no matters came to the accountant's attention which caused the accountant to believe that the specified

data should be adjusted.

5) After the initial submission of items specified in subsection (e)(3), above,, the owner or operator shall send updated information to the Agency within 90 days after the close of each succeeding fiscal year. This information must consist of all three items specified in subsection (e)(3), above.

6) If the owner or operator no longer meets the requirements of subsection (e)(1), above, the owner or operator shall send notice to the Agency of intent to establish alternate financial assurance as specified in this Section. The notice must be sent by certified mail within 90 days after the end of the fiscal year for which the year-end financial data show that the owner or operator no longer meets the requirements. The owner or operator shall provide the alternate financial assurance within 120 days after the end of such fiscal year.

7) The Agency may, based on a reasonable belief that the owner or operator may no longer meet the requirements of subsection (e)(1), above, require reports of financial condition at any time from the owner or operator in addition to those specified in subsection (e)(3), above. If the Agency finds, on the basis of such reports or other information, that the owner or operator no longer meets the requirements of subsection (e)(1), above, the owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of such a finding.

8) The Agency may disallow use of this test on the basis of qualifications in the opinion expressed by the independent certified public accountant in the accountant's report on examination of the owner's or operator's financial statements (see subsection (e)(3)(B), above). An adverse opinion or a disclaimer of opinion will be cause for disallowance. The Agency shall evaluate other qualifications on an individual basis. The owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of the disallowance.

9) During the period of post-closure care, the Agency shall approve a decrease in the current post-closure cost estimate for which this test demonstrates financial assurance if the owner or operator demonstrates to the Agency that the amount of the cost estimate exceeds the remaining cost of post-closure care.

10) The owner or operator is no longer required to submit the items specified in subsection (e)(3), above when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the

requirements of this Section in accordance with subsection (h), below.

11) An owner or operator may meet the requirements of this Section by obtaining a written guarantee, hereafter referred to as "corporate guarantee." The guarantor shall be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or opeartor, or a firm with a "substantial business relationship" with the owner or operator. The guarantor shall meet the requirements for owners or operators in subsections (e)(1) through (e)(9), above, and shall comply with the terms of the corporate guarantee. The wording of the corporate guarantee must be identical to the wording ~~as~~ specified in 35 Ill. Adm. Code 724.251. The corporate guarantee must accompany the items sent to the Agency as specified in subsection (e)(3), above. One of these items must be the letter from the guarantor's chief financial officer. If the guarantor's parent corporation is also the parent corporation of the owner or operator, the letter must describe the value received in consideration of the guarantee. If the guarantor is a firm with a "substantial business relationship" with the owner or operator, this letter must describe this substantial business relationship" and the value received in consideration of the guarantee. The terms of the corporate guarantee must provide that:

A) If the owner or operator fails to perform post-closure care of a facility covered by the corporate guarantee in accordance with the post-closure plan and other interim status requirements whenever required to do so, the guarantor will do so or establish a trust fund as specified in subsection (a), above, in the name of the owner or operator.

B) The corporate guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

C) If the owner or operator fails to provide alternate financial assurance as specified in this Section and obtain the written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the corporate guarantee from the guarantor, the guarantor will provide such alternate financial assurance in the name of the owner or operator.

f) Use of multiple financial mechanisms. An owner or operator may satisfy the requirements of this Section by establishing more than one financial mechanism per facility. These mechanisms are limited to trust funds, surety bonds, letters of credit and

insurance. The mechanisms must be as specified in subsections (a) through (d), above, respectively, except that it is the combination of mechanisms, rather than the single mechanism, which must provide financial assurance for an amount at least equal to the current post-closure cost estimate. If an owner or operator uses a trust fund in combination with a surety bond or a letter of credit, it may use the trust fund as the standby trust fund for the other mechanisms. A single standby trust fund may be established for two or more mechanisms. The Agency may use any or all of the mechanisms to provide for post-closure care of the facility.

g) Use of a financial mechanism for multiple facilities. An owner or operator may use a financial assurance mechanism specified in this Section to meet the requirements of this Section for more than one facility. Evidence of financial assurance submitted to the Agency must include a list showing, for each facility, the EPA Identification Number, name, address and the amount of funds for post-closure care assured by the mechanism. The amount of funds available through the mechanism must be no less than the sum of funds that would be available if a separate mechanism had been established and maintained for each facility. The amount of funds available to the Agency must be sufficient to provide post-closure care for all of the owner or operator's facilities. In directing funds available through the mechanism for post-closure care of any of the facilities covered by the mechanism, the Agency may direct only the amount of funds designated for that facility, unless the owner or operator agrees to the use of additional funds available under the mechanism.

h) Release of the owner or operator from the requirements of this Section. Within 60 days after receiving certifications from the owner or operator and an independent registered professional engineer that the post-closure care period has been completed in accordance with the approved post-closure plan, the Agency shall notify the owner or operator in writing that the owner or operator is no longer required by this Section to maintain financial assurance for post-closure care of that unit, unless the Agency determines that post-closure care has not been in accordance with the approved post-closure plan. The Agency shall provide the owner or operator a detailed written statement of any such determination that post-closure care has not been in accordance with the approved post-closure plan.

j) Appeal. The following Agency actions are deemed to be permit modifications or refusals to modify for purposes of appeal to the Board (35 Ill. Adm. Code 702.184(e)(3)):

1) An increase in, or a refusal to decrease the amount of, a bond, letter of credit or insurance;

2) Requiring alternate assurance upon a finding that an owner or operator, or parent corporation, no longer meets a financial test.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.247 Liability Requirements

a) Coverage for sudden accidental occurrences. An owner or operator of a hazardous waste treatment, storage or disposal facility, or a group of such facilities, shall demonstrate financial responsibility for bodily injury and property damage to third parties caused by sudden accidental occurrences arising from operations of the facility or group of facilities. The owner or operator shall have and maintain liability coverage for sudden accidental occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million, exclusive of legal defense costs. This liability coverage may be demonstrated as specified in subsections (a)(1), (2), (3), (4), (5) and (6) below:

1) An owner or operator may demonstrate the required liability coverage by having liability insurance as specified in this subsection.

A) Each insurance policy must be amended by attachment of the Hazardous Waste Facility Liability Endorsement or evidenced by a Certificate of Liability Insurance. The wording of the endorsement must be as specified in 35 Ill. Adm. Code 724.251. The wording of the certificate of insurance must be as specified in 35 Ill. Adm. Code 724.251. The owner or operator shall submit a signed duplicate original of the endorsement or the certificate of insurance to the Agency. If requested by the Agency, the owner or operator shall provide a signed duplicate original of the insurance policy.

B) Each insurance policy must be issued by an insurer which is licensed by the Illinois Department of Insurance.

2) An owner or operator may meet the requirements of this Section by passing a financial test or using the guarantee for liability coverage as specified in subsections (f) and (g) below.

3) An owner or operator may meet the requirements of this Section by obtaining a letter of credit for liability coverage as specified in subsection (h) below.

4) An owner or operator may meet the requirements of this Section by obtaining a surety bond for liability coverage as specified in subsection (i) below.

5) An owner or operator may meet the requirements of this Section by obtaining a trust fund for liability coverage as specified in subsection (j) below.

6) An owner or operator may demonstrate the required liability coverage through the use of combinations of insurance, financial test, guarantee, letter of credit, surety bond and trust fund, except that the owner or operator may not combine a financial test covering part of the liability coverage requirement with a guarantee unless the financial statement of the owner or operator is not consolidated with

the financial statement of the guarantor. The amounts of coverage demonstrated must total at least the minimum amounts required by this Section. If the owner or operator demonstrates the required coverage through the use of a combination of financial assurances under this subsection, the owner or operator shall specify at least one such assurance as "primary" coverage, and shall specify other such assurance as "excess" coverage.

7) An owner or operator shall notify the Agency within 30 days whenever:

~~A) Whenever a claim for bodily injury or property damage caused by the operation of a hazardous waste treatment, storage or disposal facility is made against the owner or operator or an instrument providing financial assurance for liability coverage under this Section; or~~

~~B) Whenever the amount of financial assurance for liability coverage under this Section provided by a financial instrument authorized by subsections (a)(1) through (a)(6) above is reduced.~~

A) A claim results in a reduction in the amount of financial assurance for liability coverage provided by a financial instrument authorized in subsections (a)(1) through (a)(6) above.

B) A Certification of Valid Claim for bodily injury or property damages caused by sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is entered between the owner or operator and third-party claimant for liability coverage under subsections (a)(1) through (a)(6) above; or

C) A final court order establishing a judgement for bodily injury or property damage caused by a sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is issued against the owner or operator or an instrument that is providing financial assurance for liability coverage under subsections (a)(1) through (a)(6) above.

b) Coverage for nonsudden accidental occurrences. An owner or operator of a surface impoundment, landfill or land treatment facility which is used to manage hazardous waste, or a group of such facilities, shall demonstrate financial responsibility for bodily injury and property damage to third parties caused by nonsudden accidental occurrences arising from operations of the facility or group of facilities. The owner or operator shall have and maintain liability coverage for nonsudden accidental occurrences in the amount of at least $3 million per occurrence with an annual aggregate of at least $6 million, exclusive of legal defense costs. An owner or operator meeting the requirements of this Section may combine the required

per-occurrence coverage levels for sudden and nonsudden accidental occurrences into a single per-occurrence level, and combine the required annual aggregate coverage levels for sudden and nonsudden accidental occurrences into a single annual aggregate level. Owners or operators who combine coverage levels for sudden and nonsudden accidental occurrences shall maintain liability coverage in the amount of at least $4 million per occurrence and $8 million annual aggregate. This liability coverage may be demonstrated as specified in subsections (b)(1), (2), (3), (4), (5) and (6) below:

1) An owner or operator may demonstrate the required liability coverage by having liability insurance as specified in this subsection.

A) Each insurance policy must be amended by attachment of the Hazardous Waste Facility Liability Endorsement or evidenced by a Certificate of Liability Insurance. The wording of the endorsement must be as specified in 35 Ill. Adm. Code 724.251. The wording of the certificate of insurance must be as specified in 35 Ill. Adm. Code 724.251. The owner or operator shall submit a signed duplicate original of the endorsement or the certificate of insurance to the Agency. If requested by the Agency, the owner or operator shall provide a signed duplicate original of the insurance policy.

B) Each insurance policy must be issued by an insurer which is licensed by the Illinois Department of Insurance.

2) An owner or operator may meet the requirements of this Section by passing a financial test or using the guarantee for liability coverage as specified in subsections (f) and (g) below.

3) An owner or operator may meet the requirements of this Section by obtaining a letter of credit for liability coverage as specified in subsection (h) below.

4) An owner or operator may meet the requirements of this Section by obtaining a surety bond for liability coverage as specified in subsection (i) below.

5) An owner or operator may meet the requirements of this Section by obtaining a trust fund for liability coverage as specified in subsection (j) below.

6) An owner or operator may demonstrate the required liability coverage through the use of combinations of insurance, financial test, guarantee, letter of credit, surety bond and trust fund, except that the owner or operator may not combine a financial test covering part of the liability coverage requirement with a guarantee unless the financial statement of the owner or operator is not consolidated with the financial statement of the guarantor. The amounts of coverage demonstrated must total at least the minimum amounts required by this Section. If the owner or operator

demonstrates the required coverage through the use of a combination of financial assurances under this subsection, the owner or operator shall specify at least one such assurance as "primary" coverage, and shall specify other such assurance as "excess" coverage.

7) An owner or operator shall notify the Agency within 30 days whenever:

~~A) Whenever a claim for bodily injury or property damage caused by the operation of a hazardous waste treatment, storage or disposal facility is made against the owner or operator or an instrument providing financial assurance for liability coverage under this Section; or~~

~~B) Whenever the amount of financial assurance for liability coverage under this Section provided by a financial instrument authorized by subsections (a)(1) through (a)(6) above is reduced.~~

A) A claim results in a reduction in the amount of financial assurance for liability coverage provided by a financial instrument authorized in subsections (b)(1) through (b)(6) above.

B) A Certification of Valid Claim for bodily injury or property damages caused by sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is entered between the owner or operator and third-party claimant for liability coverage under subsections (b)(1) through (b)(6) above; or

C) A final court order establishing a judgement for bodily injury or property damage caused by a sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is issued against the owner or operator or an instrument that is providing financial assurance for liability coverage under subsections (b)(1) through (b)(6) above.

c) Request for adjusted level of required liability coverage. If an owner or operator demonstrates to the Agency that the levels of financial responsibility required by subsections (a) or (b) above are not consistent with the degree and duration of risk associated with treatment, storage or disposal at the facility or group of facilities, the owner or operator may obtain an adjusted level of required liability coverage from the Agency. The request for an adjusted level of required liability coverage must be submitted in writing to the Agency. If granted, the Agency's action shall take the form of an adjusted level of required liability coverage, such level to be based on the Agency assessment of the degree and duration of risk associated with the ownership or operation of the facility or group of facilities. The Agency may require an owner or operator who requests an adjusted level of required liability coverage to provide such technical and engineering information as

is necessary to determine a level of financial responsibility other than that required by subsection (a) or (b) above. The Agency shall process any request for an adjusted level of required liability coverage as if it were a permit modification request under 35 Ill. Adm. Code 703.271(e)(3) and 705.128. Notwithstanding any other provision, the Agency shall hold a public hearing whenever it finds, on the basis of requests, a significant degree of public interest in a tentative decision to grant an adjusted level of required liability insurance. The Agency may also hold a public hearing at its discretion whenever such a hearing might clarify one or more issues involved in the tentative decision.

d) Adjustments by the Agency. If the Agency determines that the levels of financial responsibility required by subsection (a) or (b) above are not consistent with the degree and duration of risk associated with treatment, storage or disposal at the facility or group of facilities, the Agency shall adjust the level of financial responsibility required under subsection (a) or (b) above as may be necessary to protect human health and the environment. This adjusted level must be based on the Agency's assessment of the degree and duration of risk associated with the ownership or operation of the facility or group of facilities. In addition, if the Agency determines that there is a significant risk to human health and the environment from nonsudden accidental occurrences resulting from the operations of a facility that is not a surface impoundment, landfill or land treatment facility, the Agency may require that an owner or operator of the facility comply with subsection (b) above. An owner or operator shall furnish to the Agency, within a time specified by the Agency in the request, which shall not be less than 30 days, any information which the Agency requests to determine whether cause exists for such adjustments of level or type of coverage. The Agency shall process any request for an adjusted level of required liability coverage as if it were a permit modification request under 35 Ill. Adm. Code 703.271(e)(3) and 705.128. Notwithstanding any other provision, the Agency shall hold a public hearing whenever it finds, on the basis of requests, a significant degree of public interest in a tentative decision to grant an adjusted level of required liability insurance. The Agency may also hold a public hearing at its discretion whenever such a hearing might clarify one or more issues involved in the tentative decision.

e) Period of coverage. Within 60 days after receiving certifications from the owner or operator and an independent registered professional engineer that final closure has been completed in accordance with the approved closure plan, the Agency shall notify the owner or operator in writing that the owner or operator is no longer required by this Section to maintain liability coverage for that facility, unless the Agency determines that closure has not been in accordance with the approved closure plan.

f) Financial test for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by demonstrating that the owner or operator passes a financial test as specified in this subsection. To pass this test the owner or operator shall meet the criteria of

subsection (f)(1)(A) or (B) below:

A) The owner or operator shall have:

i) Net working capital and tangible net worth each at least six times the amount of liability coverage to be demonstrated by this test; and

ii) Tangible net worth of at least $10 million; and

iii) Assets in the United States amounting to either: at least 90 percent of total assets; or at least six times the amount of liability coverage to be demonstrated by this test.

B) The owner or operator shall have:

i) A current rating for the owner or operator's most recent bond issuance of AAA, AA, A or BBB as issued by Standard and Poor's, or Aaa, Aa, A or Baa as issued by Moody's; and

ii) Tangible net worth of at least $10 million; and

iii) Tangible net worth at least six times the amount of liability coverage to be demonstrated by this test; and

iv) Assets in the United States amounting to either: at least 90 percent of total assets; or at least six times the amount of liability coverage to be demonstrated by this test.

2) The phrase "amount of liability coverage" as used in subsection (f)(1) above refers to the annual aggregate amounts for which coverage is required under subsections (a) and (b) above.

3) To demonstrate that the owner or operator meets this test, the owner or operator shall submit the following three items to the Agency:

A) A letter signed by the owner's or operator's chief financial officer and worded as specified in 35 Ill. Adm. Code 724.251. If an owner or operator is using the financial test to demonstrate both assurance for closure or post-closure care, as specified by 35 Ill. Adm. Code 724.243(f) and 724.245(f), or by Sections 725.243(e) and 725.245(e), and liability coverage, it shall submit the letter specified in 35 Ill. Adm. Code 724.251 to cover both forms of financial responsibility; a separate letter as specified in 35 Ill. Adm. Code 724.251 is not required.

B) A copy of the independent certified public accountant's report on examination of the owner's or operator's financial statements for the latest completed fiscal year.

C) A special report from the owner's or operator's independent certified public accountant to the owner or operator stating that:

i) The accountant has compared the data which the letter from the chief financial officer specifies as having been derived from the independently audited, year-end financial statements for the latest fiscal year with the amounts in such financial statements; and

ii) In connection with that procedure, no matters came to the accountant's attention which caused the accountant to believe that the specified data should be adjusted.

5) After the initial submission of items specified in subsection (f)(3) above, the owner or operator shall send updated information to the Agency within 90 days after the close of each succeeding fiscal year. This information must consist of all three items specified in subsection (f)(3) above.

6) If the owner or operator no longer meets the requirements of subsection (f)(1) above, the owner or operator shall obtain insurance, a letter of credit, a surety bond, a trust fund, or a guarantee for the entire amount of required liability coverage as specified in this Section. Evidence of insurance must be submitted to the Agency within 90 days after the end of the fiscal year for which the year-end financial data show that the owner or operator no longer meets the test requirements.

7) The Agency may disallow use of this test on the basis of qualifications in the opinion expressed by the independent certified public accountant in the accountant's report on examination of the owner's or operator's financial statements (see subsection (f)(3)(B) above). An adverse opinion or a disclaimer of opinion is cause for disallowance. The Agency shall evaluate other qualifications on an individual basis. The owner or operator shall provide evidence of insurance for the entire amount of required liability coverage as specified in this Section within 30 days after notification of disallowance.

g) Guarantee for liability coverage.

1) Subject to subsection (g)(2) below, an owner or operator may meet the requirements of this Section by obtaining a written guarantee, referred to as a "guarantee." The guarantor shall be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or operator, or a firm with a "substantial business relationship" with the owner or operator. The guarantor shall meet the requirements for owners and operators in subsection (f)(1) through (f)(6) above. The wording of the guarantee must be as specified in 35 Ill. Adm. Code 724.251. A certified copy of the

guarantee must accompany the items sent to the Agency as specified in subsection (f)(3) above. One of these items must be the letter from the guarantor's chief financial officer. If the guarantor's parent corporation is also the parent corporation of the owner or operator, this letter must describe the value received in consideration of the guarantee. If the guarantor is a firm with a "substantial business relationship" with the owner or operator, this letter must describe this "substantial business relationship" and the value received in consideration of the guarantee. The terms of the guarantee must provide that:

A) If the owner or operator fails to satisfy a judgment based on a determination of liability for bodily injury or property damage to third parties caused by sudden or nonsudden accidental occurrences (or both as the case may be), arising from the operation of facilities covered by this guarantee, or fails to pay an amount agreed to in settlement of claims arising from or alleged to arise from such injury or damage, the guarantor will do so up to the limits of coverage.

B) The guarantee remains in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Agency. The guarantee must not be terminated unless and until the Agency approves alternate liability coverage complying with Section 725.247 or 35 Ill. Adm. Code 724.247.

2) The guarantor shall execute the guarantee in Illinois. The guarantee shall be accompanied by a letter signed by the guarantor which states that:

A) The guarantee was signed in Illinois by an authorized agent of the guarantor;

B) The guarantee is governed by Illinois law; and

C) The name and address of the guarantor's registered agent for service of process.

3) The guarantor shall have a registered agent pursuant to Section 5.05 of the Business Corporation Act of 1983 (Ill. Rev. Stat. 1991, ch. 32, par. 5.05 [805 ILCS 5/5.05]) or Section 105.05 of the General Not-for-Profit Corporation Act of 1986 (Ill. Rev. Stat. 1991, ch. 32, par. 105.05 [805 ILCS 105/105.05]).

h) Letter of credit for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by obtaining an irrevocable standby letter of credit which conforms to the requirements of this subsection, and submitting a copy of the letter of credit to the Agency.

2) The financial institution issuing the letter of credit shall be an entity which has the authority to issue letters of credit and whose letter of credit operations are regulated

and examined by the Illinois Commissioner of Banks and Trust Companies.

3) The wording of the letter of credit must be as specified in 35 Ill. Adm. Code 724.251.

4) An owner or operator who uses a letter of credit to satisfy the requirements of this Section may also establish a trust fund. Under the terms of such a letter of credit, all amounts paid pursuant to a draft by the trustee of the standby trust will be deposited by the issuing institution into the standby trust in accordance with instructions from the trustee. The trustee of the standby trust fund must be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by the Illinois Commissioner of Banks and Trust Companies, or who complies with the Corporate Fiduciary Act (Ill. Rev. Stat. 1991, ch. 32, par. 1551-1 et seq. [205 ILCS 620/1-1 et seq.])

5) The wording of the standby trust fund must be identical to the wording specified in 35 Ill. Adm. Code 724.251(n).

i) Surety bond for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting a copy of the bond to the Agency.

2) The surety company issuing the bond shall be licensed by the Illinois Department of Insurance.

3) The wording of the surety bond must be as specified in 35 Ill. Adm. Code 724.251.

j) Trust fund for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by establishing a trust fund which conforms to the requirements of this subsection and submitting a signed, duplicate original of the trust agreement to the Agency.

2) The trustee shall be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by the Illinois Commissioner of Banks and Trust Companies, or who complies with the Corporate Fiduciary Act. (Ill. Rev. Stat. 1991, ch. 32, par. 1551-1 et seq. [205 ILCS 620/1-1 et seq.])

3) The trust fund for liability coverage must be funded for the full amount of the liability coverage to be provided by the trust fund before it may be relied upon to satisfy the requirements of this Section. If at any time after the trust fund is created the amount of funds in the trust fund is reduced below the full amount of liability coverage to be provided, the owner or operator, by the anniversary of the date of establishment of the fund, shall either add

sufficient funds to the trust fund to cause its value to equal the full amount of liability coverage to be provided, or obtain other financial assurance as specified in this Section to cover the difference. For purposes of this subsection, "the full amount of the liability coverage to be provided" means the amount of coverage for sudden and nonsudden accidental occurrences required to be provided by the owner or operator by this Section, less the amount of financial assurance for liability coverage which is being provided by other financial assurance mechanisms being used to demonstrate financial assurance by the owner or operator.

4) The wording of the trust fund must be as specified in 35 Ill. Adm. Code 724.251.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART K: SURFACE IMPOUNDMENTS

Section 725.321 Design and Operating Requirements

a) The owner or operator of each new surface impoundment unit on which construction commences after January 29, 1992, each lateral expansion of a surface impoundment unit on which construction commences after July 29, 1992, and each replacement of an existing surface impoundment unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system between such liners, and operate the leachate collection and removal system, in accordance with 35 Ill. Adm. Code 724.321(c), unless exempted under 35 Ill. Adm. Code 724.321(d), (e) or (f). "Construction commences" is as defined in 35 Ill. Adm. Code 720.110 under "existing facility."

b) The owner or operator of each unit referred to in subsection (a) above shall notify the Agency at least sixty days prior to receiving waste. The owner or operator of each facility submitting notice shall file a Part B application within six months of the receipt of such notice.

c) The owner or operator of any replacement surface impoundment unit is exempt from subsection (a) above if:

1) The existing unit was constructed in compliance with the design standards of 35 Ill. Adm. Code 724.321(c), (d) and (e), as amended in R86-1, at 10 Ill. Reg. 14119, effective August 12, 1986; and

BOARD NOTE: The cited subsections implemented the design standards of Sections 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.).

2) There is no reason to believe that the liner is not functioning as designed.

d) The Agency shall not require a double liner as set forth in subsection (a) above for any monofill, if:

1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and such wastes do not contain constituents which render the wastes hazardous for reasons other than the toxicity characteristic in 35 Ill. Adm. Code 721.124, with USEPA hazardous waste numbers D004 through D017; and

2) No migration demonstration.

A) Design and location requirements.

i) The monofill has at least one liner for which there is no evidence that such liner is leaking. For the purposes of this subsection the term "liner" means a liner designed, constructed, installed and operated to prevent hazardous waste from passing into the liner at any time during the active life of the facility, or a liner designed, constructed, installed and operated to prevent hazardous waste from migrating beyond the liner to adjacent subsurface soil, groundwater or surface water at any time during the active life of the facility. In the case of any surface impoundment which has been exempted from the requirements of subsection (a) above, of a liner designed, constructed, installed and operated to prevent hazardous waste from passing beyond the liner, at the closure of such impoundment the owner or operator shall remove or decontaminate all waste residues, all contaminated liner material and contaminated soil to the extent practicable. If all contaminated soil is not removed or decontaminated, the owner or operator of such impoundment shall comply with appropriate post-closure requirements, including but not limited to groundwater monitoring and corrective action;

ii) The monofill is located more than one-quarter mile from an underground source of drinking water (as that term is defined in 35 Ill. Adm. Code 702.110); and

iii) The monofill is in compliance with generally applicable groundwater monitoring requirements for facilities with RCRA permits; or,

B) The owner or operator demonstrates to the Board that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

e) In the case of any unit in which the liner and leachate collection system have been installed pursuant to the requirements of subsection (a) above, and in good faith compliance with subsection (a) and with guidance documents governing liners and leachate

collection systems under subsection (a) above, the Agency shall not require a liner or leachate collection system which is different from that which was so installed pursuant to subsection (a) above when issuing the first permit to such facility, except that the Agency is not precluded from requiring installation of a new liner when the Agency finds that any liner installed pursuant to the requirements of subsection (a) above is leaking.

f) A surface impoundment must maintain enough freeboard to prevent any overtopping of the dike by overfilling, wave action or a storm. Except as provided in subsection (g), below, there must be at least 60 centimeters (2 feet) of freeboard.

g) A freeboard level less than 60 centimeters (two feet) may be maintained if the owner or operator obtains certification by a qualified engineer that alternate design features or operating plans will, to the best of the engineer's knowledge and opinion, prevent overtopping of the dike. The certification, along with a written identification of alternate design features or operating plans preventing overtopping, must be maintained at the facility.

BOARD NOTE: Any point source discharge from a surface impoundment to waters of the State is subject to the requirements of Section 12 of the Environmental Protection Act. Spills may be subject to Section 311 of the Clean Water Act (33 U.S.C. 1251 et seq.)

h) Surface impoundments that are newly subject to this Part due to the promulgation of additonal listings or characteristics for the identification of hazardous waste must be in compliance with subsections (a), (c), or (d) above not later than 48 months after the promulgation of the additonal listing or characteristic. This compliance period shall not be cut short as the result of the promulgation of land disposal prohibitions under 35 Ill. Adm. Code 728 or the granting of an extension to the effective date of a prohibiton pursuant to 35 Ill. Adm. Code 728.105, within this 48 month period.

~~h~~i) Refusal to grant an exemption or waiver, or grant with conditions, may be appealed to the Board.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART N: LANDFILLS

Section 725.414 Special Requirements for ~~Bulk and Containerized~~ Liquid Wastes

a) This subsection corresponds with 40 CFR 265.314(a), which pertains to the placement of bulk or non-containerized liquid waste or waste containing free liquids in a landfill prior to May 8, 1985. This statement maintains structural consistency with USEPA rules.

b) The placement of bulk or non-containerized liquid hazardous waste or hazardous waste containing free liquids (whether or not ~~ab~~sorbents have been added) in any landfill is prohibited.

c) Containers holding free liquids must not be placed in a landfill

unless;

1) All free-standing liquid:

A) has been removed by decanting or other methods;

B) has been mixed with ~~ab~~sorbent or solidified so that free-standing liquid is no longer observed; or

C) has been otherwise eliminated; or

2) The container is very small, such as an ampule; or

3) The container is designed to hold free liquids for use other than storage, such as a battery or capacitor; or

4) The container is a lab pack as defined in Section 724.416 and is disposed of in accordance with Section 724.416.

d) To demonstrate the absence or presence of free liquids in either a containerized or a bulk waste, the following test must be used: Method 9095 (Paint Filter Liquids Test) as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods." (EPA Publication No. SW-846, incorporated by reference in 35 Ill. Adm. Code 721.111.

~~f~~e) The placement of any liquids which is not a hazardous waste in a landfill is prohibited (35 Ill. Adm. Code 729.311).

f) Sorbents used to treat free liquids to be disposed of in landfills must be nonbiodegradable. Nonbiodegradable sorbents are: materials listed or described in subsection (f)(1) below; materials that pass one of the tests in subsection (f)(2) below; or materials that are determined by Board to be nonbiodegradable through the 35 Ill. Adm. Code 106 adjusted standard process.

1) Nonbiodegradable sorbents are:

A) Inorganic minerals, other inorganic materials, and elemental carbon (e.g., aluminosilicates, clays, smectites, Fuller's earth, bentonite, calcium bentonite, montmorillonite, calcined montmorillonite, kaolinite, micas (illite), vermiculites, zeolites; calcium carbonate (organic free limestone); oxides/hydroxides, alumina, lime, silica (sand), diatomaceous earth; perlite (volcanic glass); expanded volcanic rock; volcanic ash; cement kiln dust; fly ash; rice hull ash; activated charcoal/activated carbon); or

B) High molecular weight synthetic polymers (e.g., polyethylene, high density polyethylene (HDPE), polypropylene, polystyrene, polyurethane, polyacrylate, polynorborene, polysobutylene, ground synthetic rubber, cross-linked allylstyrene and tertiary butyl copolymers). This does not include polymers derived from biological material or polymers specifically designed to be degradable; or

C) Mixtures of these nonbiodegradable materials.

2) Tests for nonbiodegradable sorbents.

A) The sorbent material is determined to be nonbiodegradable under ASTM Method G21-70 (1984a)-Standard Practice for Determining Resistance of Synthetic Polymer Materials to Fungi; or

B) The sorbent material is determined to be nonbiodegradable under ASTM Method G22-76 (1984b)-Standard Practice for Determining Resistance of Plastics to Bacteria.

~~g) Disposal of liquid wastes or wastes containing free liquids otherwise allowed under this Section must be authorized pursuant to 35 Ill. Adm. Code 709.401(a). As required by 35 Ill. Adm. Code 709.570(c), the Agency must require the addition of absorbents to any such waste, any provision of this Section notwithstanding.~~

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.416 Disposal of Small Containers of Hazardous Waste in Overpacked Drums (Lab Packs)

Small containers of hazardous waste in overpacked drums (lab packs) may be placed in a landfill if the following requirements are met:

a) Hazardous waste must be packaged in non-leaking inside containers. The inside containers must be of a design and constructed of a material that will not react dangerously with, be decomposed by, or be ignited by the waste held therein. Inside containers must be tightly and securely sealed. The inside containers must be of the size and type specified in the Department of Transportation (DOT) hazardous materials regulations (49 CFR 173, 178 and 179), incorporated by reference in 35 Ill. Adm. Code 720.111), if those regulations specify a particular inside container for the waste.

b) The inside containers must be overpacked in an open head DOT-specification metal shipping container (49 CFR 178 and 179) of no more than 416 liter (110 gallon) capacity and surrounded by, at a minimum, a sufficient quantity of ~~absorbent~~ material, determined to be nonbiodegradable in accordance with 35 Ill. Adm. Code 725.414(f) to completely ~~absorb~~ all of the liquid contents of the inside containers. The metal outer container must be full after packing with inside containers and ~~absorbent~~ material.

c) The ~~absorbent~~ material used must not be capable of reacting dangerously with, being decomposed by, or being ignited by the contents of the inside containers, in accordance with Section 725.117(b).

d) Incompatible wastes, as defined in 35 Ill. Adm. Code 720.110, must not be placed in the same outside container.

e) Reactive waste, other than cyanide- or sulfide-bearing waste as defined in 35 Ill. Adm. Code 721.123(a)(5), must be treated or rendered non-reactive prior to packaging in accordance with

subsections (a) through (d) of this Section. Cyanide- or sulfide-bearing reactive waste may be packaged in accordance with subsections (a) through (d) of this Section without first being treated or rendered non-reactive.

f) Such disposal is in compliance with the requirements of 35 Ill. Adm. Code 728. Persons who incinerate lab packs according to the requirements of 35 Ill. Adm. Code 728.142(c)(1) may use fiber drums in place of metal outer containers. Such fiber drums must meet the DOT specifications in 49 CFR 171.12 and be overpacked according to subsection (b), above.

g) Pursuant to 35 Ill. Adm. Code 729.312, the use of labpacks for disposal of liquid wastes or wastes containing free liquids allowed under this Section is restricted to labwaste and non-periodic waste, as those terms are defined in that Part.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART W: DRIP PADS

Section 725.540 Applicability

a) The requirements of this Subpart apply to owners and operators of facilities that use new or existing drip pads to convey treated wood drippage, precipitation or surface water run-on to an associated collection system.

1) "Existing drip pads" are:

A) Those constructed before December 6, 1990; and

B) Those for which the owner or operator has a design and has entered into binding financial or other agreements for construction prior to December 6, 1990.

2) All other drip pads are "new drip pads".

3) The requirements of Section 725.543(b)(3) to install a leak collection system applies only to those drip pads that are constructed after December 24, 1992 except for those constructed after December 24, 1992 for which the owner or operator has a design and has entered into binding financial or other agreements for construction prior to December 24, 1992.

b) The owner or operator of any drip pad that is inside or under a structure that provides protection from precipitation so that neither run-off nor run-on is generated is not subject to regulation under Section 724.672(e) or (f).

c) The requirements of this subsection are not applicable to the management of infrequent and incidental drippage in storage yards provided that the owner or operator maintains and complies with a written contingency plan that describes how the owner or operator will respond immediately to the discharge of infrequent and incidental drippage. At a minimum, the contingency plan must describe how the owner or operator will do the following:

1) Clean up the drippage;

2) Document the clean-up of the drippage;

3) Retain documentaion regarding the clean-up for three years; and

4) Manage the contaminated media in a manner consistent with State and Federal regulations.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.541 Assessment of existing drip pad integrity

a) For each existing drip pad, the owner or operator shall evaluate the drip pad and determine that it meets all of the requirements of this Subpart, except the requirements for liners and leak detection systems of Section 725.543(b). No later than June 6, 1991, the owner or operator shall obtain and keep on file at the facility a written assessment of the drip pad, reviewed and certified by an independent, qualified registered professional engineer that attests to the results of the evaluation. The assessment must be reviewed, updated and re-certified annually until all upgrades, repairs or modifications necessary to achieve compliance with all of the standards of Section 725.543 are complete. The evaluation must ~~justify and~~ document the extent to which the drip pad meets each of the design and operating standards of Section 725.543, except the standards for liners and leak detection systems, specified in Section 725.543(b)~~, and must document the age of the drip pad to the extent possible, to document compliance with subsection (b)~~.

b) The owner or operator shall develop a written plan for upgrading, repairing and modifying the drip pad to meet the requirements of Section 725.543(b) and submit the plan to the Agency no later than 2 years before the date that all repairs, upgrades and modifications will be complete. This written plan must describe all changes to be made to the drip pad in sufficient detail to document compliance with all the requirements of Section 725.543 ~~and must document the age of the drip pad to the extent possible~~. The plan must be reviewed and certified by an independent qualified, registered professional engineer. All upgrades, repairs and modifications must be completed in accordance with the following:

1) For existing drip pads of known and documentable age, all upgrades, repairs and modifications must be completed by June 6, 1993, or when the drip pad has reached 15 years of age, whichever comes later.

2) For existing drip pads for which the age cannot be documented, by June 6, 1999; but, if the age of the facility is greater than 7 years, all upgrades, repairs and modifications must be completed by the time the facility reaches 15 years of age or by June 6, 1993, whichever comes later.

3) The owner or operator may petition the Board for an

extension of the deadline in subsection (b)(1) or (2), above.

A) The owner or operator shall file a petition for a RCRA variance as specified in 35 Ill. Adm. Code 104.

B) The Board will grant the petition for extension if it finds that:

i) The drip pad meets all of the requirements of Section 725.543, except those for liners and leak detection systems specified in Section 725.543(b); and

ii) That it will continue to be protective of human health and the environment.

c) Upon completion of all repairs and modifications, the owner or operator shall submit to the Agency, the as-built drawings for the drip pad, together with a certification by an independent, qualified, registered professional engineer attesting that the drip pad conforms to the drawings.

d) If the drip pad is found to be leaking or unfit for use, the owner or operator shall comply with the provisions of Section 725.543(m) or close the drip pad in accordance with Section 725.545.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.542 Design and installation of new drip pads

Owners and operators of new drip pads shall ensure that the pads are designed, installed and operated in accordance with ~~all~~ one of the following: ~~applicable requirements of Sections 725.543, 725.544 and 725.545.~~

a) All of the requirements of Sections 725.543 (except 725.543(a)(4)), 725.544 and 725.545; or

b) All of the requirements of Section 725.543 (except 725.543(b)), 725.544 and 725.545.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.543 Design and operating requirements

a) Drip pads must:

1) Not be constructed of earthen materials, wood or asphalt, unless the asphalt is structurally supported;

2) Be sloped to free-drain to the associated collection system treated wood drippage, rain, other waters, or solutions of drippage and water or other wastes;

3) Have a curb or berm around the perimeter;

4) In addition, the drip pad must:

A) ~~Be impermeable, e.g., concrete pads must be sealed, coated or covered with an impermeable material such that~~Have a hydralic conductivity of less than or equal to 1 X 10^{-7} centimeters per second, e.g., existing concrete drip pads must be sealed, coated, or covered with a surface material with a hydraulic conductivity of less than or equal to 1 X 10^{-7} centimeters per second such that the entire surface where drippage occurs or may run across is capable of containing such drippage and mixtures of drippage and precipitation, materials or other wastes while being routed to an associated collection system~~,~~. This surface material must be maintained free of cracks and gaps that could adversely affect its hydraulic conductivity, and the material must be chemically compatible with the preservatives that contact the drip pad. The requirements of this provision apply only to the existing drip pads and those drip pads for which the owner or operator elects to comply with Section 725.542(a) instead of Section 725.542(b).

B) The owner or operator must obtain and keep on file at the facility a written assessment of the drip pad, reviewed and certififed by an independant qualified registered professional engineer that attests to the results of the evaluation. The assessment must be reviewed, updated and recertififed annually. The evaluation must document the extent to which the drip pad meets the design and operating standards of this Section, except for in subsection (b) below.

~~BOARD NOTE: The requirement that new drip pads be impermeable, e.g., that new drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The requirement that new drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. the stays will remain in effect until the Board removes this note by further regulatory action implementing USEPA amendments at 57 Fed. Reg. 61492, December 24, 1992, expected in Docket R93-4. The extended State stay will not be construed as excusing owners or operators from complying with any federal requirments already in effect in Illinois.~~

5) Be of sufficient structural strength and thickness to prevent failure due to physical contact, climatic conditions, the stress of installation and the stress of daily operations, e.g., variable and moving loads such as vehicle traffic, movement of wood, etc.

BOARD NOTE: In judging the structural integrity requirement of this subsection, the Agency should generally consider applicable standards established by professional organizations generally recognized by the industry, including ACI 318 or ASTM C94, incorporated by reference in 35 Ill. Adm. Code 720.111.

b) ~~A drip pad or an existing drip pad, after the deadline established~~

~~in Section 724.671(b),~~If an owner or operator elects to comply with subsection 725.542(b) instead of subsection 725.542(a), the drip pad must have:

1) A synthetic liner installed below the drip pad that is designed, constructed and installed to prevent leakage from the drip pad into the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the drip pad. The liner must be constructed of materials that will prevent waste from being absorbed into the liner and to prevent releases into the adjacent subsurface soil or groundwater or surface water during the active life of the facility. The liner must be:

A) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or drip pad leakage to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation (including stresses from vehicular traffic on the drip pad);

B) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and

C) Installed to cover all surrounding earth that could come in contact with the waste or leakage; and

2) A leakage detection system immediately above the liner that is designed, constructed, maintained and operated to detect leakage from the drip pad. The leakage detection system must be:

A) Constructed of materials that are:

i) Chemically resistant to the waste managed in the drip pad and the leakage that might be generated; and

ii) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlaying materials and by any equipment used at the drip pad; and

B) Designed and operated to function without clogging through the scheduled closure of the drip pad; and

C) Designed so that it will detect the failure of the drip pad or the presence of a release of hazardous waste or accumulated liquid at the earliest practicable time.

3) A leaking collection system immediately above the liner that is designed, constructed, maintained and operated to collect leakage from the drip pad such that it can be removed from below the drip pad. The date, time, and quanity of any leakage collected in this system and removed must be documented in the operating log.

A) The drip pad surface must be cleaned thoroughly in a manner and frequency such that accumulated residues of hazardous waste or other materials are removed, with residues being propoerly managed as to allow weekly inspections of the entire drip pad surface without interference of hindrance from accumulated residues of hazardous waste or other materials on the drip pad. The owner or operator must document the date and time of each cleaning and cleaning procedure used in the facility's operating log.

B) The Federal rules do not contain a 40 CFR 265.443(b)(3)(ii). This subsection is added to conform to Illinois Administrative Code requirements.

c) Drip pads must be maintained such that they remain free of cracks, gaps, corrosion or other deterioration that could cause hazardous waste to be released from the drip pad.

BOARD NOTE: See subsection (m) below for remedial action required if deterioration or leakage is detected.

d) The drip pad and associated collection system must be designed and operated to convey, drain and collect liquid resulting from drippage or precipitation in order to prevent run-off.

e) Unless the drip pad is protected by a structure, as described in Section 725.540(b), the owner or operator shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the drip pad during peak discharge from at least a 24-hour, 25-year storm, unless the system has sufficient excess capacity to contain any run-on that might enter the system.

f) Unless the drip pad is protected by a structure or cover, as described in Section 725.540(b), the owner or operator shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

g) The drip pad must be evaluated to determine that it meets the requirements of subsections (a) through (f), above. The owner or operator shall obtain a statement from an independent, qualified, registered professional engineer certifying that the drip pad design meets the requirements of this Section.

h) Drippage and accumulated precipitation must be removed from the associated collection system as necessary to prevent overflow onto the drip pad.

i) The drip pad surface must be cleaned thoroughly at least once every seven days such that accumulated residues of hazardous waste

or other materials are removed, using an appropriate and effective cleaning technique, including but not limited to, rinsing, washing with detergents or other appropriate solvents, or steam cleaning. The owner or operator shall document, in the facility's operating log, the date and time of each cleaning and the cleaning procedure.

j) Drip pads must be operated and maintained in a manner to minimize tracking of hazardous waste or hazardous waste constituents off the drip pad as a result of activities by personnel or equipment.

k) After being removed from the treatment vessel, treated wood from pressure and non-pressure processes must be held on the drip pad until drippage has ceased. The owner or operator shall maintain records sufficient to document that all treated wood is held on the pad, in accordance with this Section, following treatment.

l) Collection and holding units associated with run-on and run-off control systems must be emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system.

m) Throughout the active life of the drip pad, if the owner or operator detects a condition that may have caused or has caused a release of hazardous waste, the condition must be repaired within a reasonably prompt period of time following discovery, in accordance with the following procedures:

1) Upon detection of a condition that may have caused or has caused a release of hazardous waste (e.g., upon detection of leakage in the leak detection system), the owner or operator shall:

A) Enter a record of the discovery in the facility operating log;

B) Immediately remove from service the portion of the drip pad affected by the condition;

C) Determine what steps must be taken to repair the drip pad, clean up any leakage from below the drip pad, and establish a schedule for accomplishing the clean up and repairs;

D) Within 24 hours after discovery of the condition, notify the Agency of the condition and, within 10 working days, provide written notice to the Agency with a description of the steps that will be taken to repair the drip pad and clean up any leakage, and the schedule for accomplishing this work.

2) The Agency shall: review the information submitted; make a determination regarding whether the pad must be removed from service completely or partially until repairs and clean up are complete; and notify the owner or operator of the determination and the underlying rationale in writing.

3) Upon completing all repairs and clean up, the owner or operator shall notify the Agency in writing and provide a

certification, signed by an independent, qualified, registered professional engineer, that the repairs and clean up have been completed according to the written plan submitted in accordance with subsection (m)(1)(D) above.

n) The owner or operator shall maintain, as part of the facility operating log, documentation of past operating and waste handling practices. This must include identification of preservative formulations used in the past, a description of drippage management practices and a description of treated wood storage and handling practices.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART DD: CONTAINMENT BUILDINGS

Section 725.1100 Applicability

The requirements of this Subpart apply to owners or operators who store or treat hazardous waste in units designed and operated under Section 725.1101. These provisions will become effective on February 18, 1993. The owner or operator is not subject to the definition of land disposal in 35 Ill. Adm. Code 728.102 provided that the unit:

a) Is a completely enclosed, self-supporting structure that is designed and constructed of manmade materials of sufficient strength and thickness to support themselves, the waste contents, and any personnel and heavy equipment that operate within the unit, and to prevent failure due to:

1) Pressure gradients;

2) Settlement, compression, or uplift;

3) Physical contact with the hazardous wastes to which they are exposed;

4) Climatic conditions; and

5) The stresses of daily operation including the movement of heavy equipment within the unit and contact of such equipment with containment walls;

b) Has a primary barrier that is designed to be sufficiently durable to withstand the movement of personnel wastes, and handling equipment within the unit;

c) If used to manage liquids, the unit has:

1) A primary barrier designed and constructed of materials to prevent migration of hazardous constituents into the barrier; and

2) A liquid collection system designed and constructed of materials to minimize the accumulation of liquid on the primary barrier; and

3) A secondary containment system designed and constructed of materials to prevent migration of hazardous constituents into the barrier, with a leak detection and liquid collection system capable of detecting, collecting, and removing leaks of hazardous constituents at the earliest possible time, unless the unit has been granted a variance from the secondary containment system requirements under subsection 725.1101(b)(4);

d) Has controls sufficient to permit fugitive dust emissions to meet the no visible emission standard in subsection 725.1101(c)(1)(D); and

e) Is designed and operated to ensure containment and prevent the tracking of materials from the unit by personnel or equipment.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.1101 Design and operating standards

a) All containment buildings must comply with the following design and operating standards:

1) The containment building must be completely enclosed with a floor, walls, and a roof to prevent exposure to the elements (e.g. precipitation, wind, run on) and to assure containment of managed wastes.

2) The floor and containment walls of the unit, including the secondary containment system if required under subsection (b) of this Section, must be designed and constructed of materials of sufficient strength and thickness to support themselves, the waste contents, and any personnel and heavy equipment that operate within the unit, and to prevent failure due to pressure gradients, settlement, compression, or uplift, physical contact with the hazardous wastes to which they are exposed; climatic conditions; and the stresses of daily operation, including the movement of heavy equipment within the unit and contact of such equipment with containment walls. The unit must be designed so that it has sufficient structural strength to prevent collapse or other failure. All surfaces to be in contact with hazardous wastes must be chemically compatible with those wastes. The containment building shall meet the structural integrity requirements established by professional organizations generally recognized by the industry such as the American Concrete Institute [ACI] and the American Society of Testing Materials [ASTM]. If appropriate to the nature of the waste management operation to take place in the unit, an exception to the structural strength requirement may be made for light-weight doors and windows that meet these criteria:

A) They provide an effective barrier against fugitive dust emissions under subsection (c)(1)(D) below; and

B) The unit is designed and operated in a fashion that assures that wastes will not actually come in contact with these openings.

3) Incompatible hazardous wastes or treatment reagents must not be placed in the unit or its secondary containment system if they could cause the unit or secondary containment system to leak, corrode, or otherwise fail.

4) A containment building must have a primary barrier designed to withstand the movement of personnel, waste, and handling equipment in the unit during the operating life of the unit and appropriate for the physical and chemical characteristics of the waste to be managed.

b) For a containment building used to manage hazardous wastes containing free liquids or treated with free liquids (the presence of which is determined by the paint filter test, a visual examination, or other appropriate means), the owner or operator must include:

1) A primary barrier designed and constructed of materials to prevent the migration of hazardous constituents into the barrier (e.g., a geomembrane covered by a concrete wear surface).

2) A liquid collection and removal system to minimize the accumulation of liquid on the primary barrier of the containment building:

A) The primary barrier must be sloped to drain liquids to the associated collection system; and

B) Liquids and waste must be collected and removed to minimize hydraulic head on the containment system at the earliest practicable time.

3) A secondary containment system including a secondary barrier designed and constructed to prevent migration of hazardous constituents into the barrier, and a leak detection system that is capable of detecting failure of the primary barrier and collecting accumulated hazardous wastes and liquids at the earliest practicable time.

A) The requirements of the leak detection component of the secondary containment system are satisfied by installation of a system that is, at a minimum:

i) Constructed with a bottom slope of 1 percent or more; and

ii) Constructed of a granular drainage material with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches (30.5 cm) or more, or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-3} m^2/sec or more.

B) If treatment is to be conducted in the building, an area in which such treatment will be conducted must be designed to prevent the release of liquids, wet materials, or liquid aerosols to other portions of the

building.

C) The secondary containment system must be constructed of materials that are chemically resistant to the waste and liquids managed in the containment building and of sufficient strength and thickness to prevent collapse under the pressure exerted by overlaying materials and by any equipment used in the containment building. (Containment buildings can serve as secondary containment systems for tanks placed within the building under certain conditions. A containment building can serve as an external liner system for a tank, provided it meets the requirements of Section 725.293(d)(1). In addition, the containment building must meet the requirements of subsections 725.293(b) and (c) to be an acceptable secondary containment system for a tank.)

4) For existing units other than 90-day generator units, USEPA may delay the secondary containment requirement for up to two years, based on a demonstration by the owner or operator that the unit substantially meets the standards of this Subpart. In making this demonstration, the owner or operator must:

A) Provide written notice to USEPA of their request by November 16, 1992. This notification must describe the unit and its operating practices with specific reference to the performance of existing systems, and specific plans for retrofitting the unit with secondary containment;

B) Respond to any comments from USEPA on these plans within 30 days; and

C) Fulfill the terms of the revised plans, if such plans are approved by USEPA.

c) Owners or operators of all containment buildings must;

1) Use controls and practice to ensure containment of the hazardous waste within the unit, and at a minimum:

A) Maintain the primary barrier to be free of significant cracks, gaps, corrosion, or other deterioration that could cause hazardous waste to be release from the primary barrier;

B) Maintain the level of the stored or treated hazardous waste within the containment walls of the unit so that the height of any containment wall is not exceeded;

C) Take measures to prevent the tracking of hazardous waste out of the unit by personnel or by equipment used in handling the waste. An area must be designated to decontaminate equipment and any rinsate must be collected and properly managed; and

D) Take measures to control fugitive dust emissions such that any openings (doors, windows, vents, cracks, etc.) exhibit no visible emissions (see 40 CFR 60, Appendix A, Method 22 - Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares). In addition, all associated particulate collection devices (e.g., fabric filter, electrostatic precipitator) must be operated and maintained with sound air pollution control practices (see 40 CFR 60, Subpart 292 for guidance). This state of no visible emissions must be maintained effectively at all times during routine operating and maintenance conditions, including when vehicles and personnel are entering and exiting the unit.

2) Obtain certification by a qualified registered professional engineer (PE) that the containment building design meets the requirements of subsections (a) through (c) of this Section. For units placed into operation prior to February 18, 1993, this certification must be placed in the facility's operating record (on-site files for generators who are not formally required to have operating records) no later than 60 days after the date of initial operation of the unit. After February 18, 1993, PE certification will be required prior to operation of the unit.

3) Throughout the active life of the containment building, if the owner or operator detects a condition that could lead to or has caused a release of hazardous waste, must repair the condition promptly. In addition however:

A) Upon detection of a condition that has caused to a release of hazardous wastes (e.g., upon detection of leakage from the primary barrier) the owner or operator must:

i) Enter a record of the discovery in the facility operating record;

ii) Immediately remove the portion of the containment building affected by the condition from service;

iii) Determine what steps must be taken to repair the containment building, remove any leakage from the secondary collection system,and establish a schedule for accomplishing the cleanup and repairs; and

iv) Within 7 days after the discovery of the condition, notify the Agency in writing of the condition, and within 14 working days, provide a written notice to the Agency with a description of the steps taken to repair the containment building, and the schedule for accomplishing the work.

B) The Agency will review the information submitted, make

a determination regarding whether the containment building must be removed from service completely or partially until repairs and cleanup are complete, and notify the owner or operator of the determination and the underlying rationale in writing.

C) Upon completing all repairs and cleanup the owner and operator must notify the Agency in writing and provide a verification, signed by a qualified, registered professional engineer, that the repairs and cleanup have been completed according to the written plan submitted in accordance with subsection (c)(3)(A)(iv) above.

4) Inspect and record in the facility's operating record, at least once every seven days, data gathered from monitoring equipment and leak detection equipment as well as the containment building and the area immediately surrounding the containment building to detect signs of releases of hazardous waste.

d) For containment buildings that contain areas both with and without secondary containment, the owner or operator must:

1) Design and operate each area in accordance with the requirements enumerated in subsections (a) through (c) above;

2) Take measures to prevent the release of liquids or wet materials into areas without secondary containment; and

3) Maintain in the facility's operating log a written description of the operating procedures used to maintain the integrity of areas without secondary containment.

e) Notwithstanding any other provision of this Subpart the Agency shall not require secondary containment for a permitted containment building where the owner operator demonstrates that the only free liquids in the unit are limited amounts of dust suppression liquids required to meet occupational health and safety requirements, and where containment of managed wastes and liquids can be assured without a secondary containment system.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

Section 725.1102 Closure and post closure-care

a) At closure of a containment building, the owner or operator must remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated subsoils, and structures and equipment contaminated with waste and leachate, and manage them as hazardous waste unless 35 Ill. Adm. Code 721.103(c) applies. The closure plan, closure activities, cost estimates for closure, and financial responsibility for containment buildings must meet all of the requirements specified in 725.Subparts G and H.

b) If, after removing or decontaminating all residues and making all

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reasonable efforts to effect removal or decontamination of contaminated components, subsoils, structures, and equipment as required in subsection (a) above, the owner or operator finds that not all contaminated subsoils can be practicably removed or decontaminated, he must close the facility and perform post-closure care in accordance with the closure and post-closure requirements that apply to landfills (35 Ill. Adm. Code 725.310). In addition, for the purposes of closure, post-closure, and financial responsibility, such a containment building is then considered to be a landfill, and the owner or operator must meet all the requirements for landfills specified in 725.Subparts G and H.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

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1) Heading of the Part: Land Disposal Restrictions

2) Code Citation: 35 Ill. Adm. Code 728

3)

Section Numbers:	Adopted Action:
728.101, 728.102, 728.105	Amendment
728.107, 728.109	Amendment
728.114	New Section
728.135	Amendment
728.136	New Section
728.137	New Section
728.140, 728.141, 728.142	Amendment
728.145, 728.146	New Section
728.150, 728.Appendix B	Amendment
728.Table A, 728.Table B	Amendment
728.Table D	Amendment
728.Table F, 728.Table G	New Section

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

Yes. An incorporation by reference appears in 35 Ill. Adm. Code 728.107. 35 Ill. Adm. Code 720.111 is a centralized listing of all incorporations by reference for Parts 721 through 739. They further update the edition of all references to the Code of Federal Regulations for use in all Parts wherever they appear.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9317 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

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Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

15) Summary and purpose of rule:

In general, the amendments to Part 728 reflect the federal court decision in Chemical Waste Management v. EPA 976 F.2d 2 (D.C. Cir. 1992).

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

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TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 728
LAND DISPOSAL RESTRICTIONS

SUBPART A: GENERAL

Section
728.101 Purpose, Scope and Applicability
728.102 Definitions
728.103 Dilution Prohibited as a Substitute for Treatment
728.104 Treatment Surface Impoundment Exemption
728.105 Procedures for case-by-case Extensions to an Effective Date
728.106 Petitions to Allow Land Disposal of a Waste Prohibited under Subpart C
728.107 Waste Analysis and Recordkeeping
728.108 Landfill and Surface Impoundment Disposal Restrictions (Repealed)
728.109 Special Rules for Characteristic Wastes

SUBPART B: SCHEDULE FOR LAND DISPOSAL PROHIBITION AND ESTABLISHMENT OF TREATMENT STANDARDS

Section
728.110 First Third
728.111 Second Third
728.112 Third Third
728.113 Newly Listed Wastes
728.114 Surface Impoundment exemptions

SUBPART C: PROHIBITION ON LAND DISPOSAL

Section
728.130 Waste Specific Prohibitions -- Solvent Wastes
728.131 Waste Specific Prohibitions -- Dioxin-Containing Wastes
728.132 Waste Specific Prohibitions -- California List Wastes
728.133 Waste Specific Prohibitions -- First Third Wastes
728.134 Waste Specific Prohibitions -- Second Third Wastes
728.135 Waste Specific Prohibitions -- Third Third Wastes
728.136 Waste Specific Prohibitions -- Newly Listed Wastes
728.137 Waste Specific Prohibitions -- Ignitable and Corrosive Characteristic Wastes Whose Treatment Standards Were Vacated
728.139 Statutory Prohibitions

SUBPART D: TREATMENT STANDARDS

Section
728.140 Applicability of Treatment Standards
728.141 Treatment Standards expressed as Concentrations in Waste Extract
728.142 Treatment Standards expressed as Specified Technologies
728.143 Treatment Standards expressed as Waste Concentrations
728.144 Adjustment of Treatment Standard
728.145 Treatment Standards for Hazardous Debris
728.146 Alternative Treatment Standards based on HTMR

SUBPART E: PROHIBITIONS ON STORAGE

Section
728.150 Prohibitions on Storage of Restricted Wastes

728.Appendix A Toxicity Characteristic Leaching Procedure (TCLP)

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728.Appendix B	Treatment Standards (As concentrations in the Treatment Residual Extract)
728.Appendix C	List of Halogenated Organic Compounds
728.Appendix D	Organometallic Lab Packs
728.Appendix E	Organic Lab Packs
728.Appendix F	Technologies to Achieve Deactivation of Characteristics
728.Appendix G	Federal Effective Dates
728.Appendix H	National Capacity LDR Variances for UIC Wastes
728.Table A	Constituent Concentrations in Waste Extract (CCWE)
728.Table B	Constituent Concentrations in Wastes (CCW)
728.Table C	Technology Codes and Description of Technology-Based Standards
728.Table D	Technology-Based Standards by RCRA Waste Code
728.Table E	Standards for Radioactive Mixed Waste
728.Table F	Alternative Treatment Standards for Hazardous Debris
728.Table G	Alternative Treatment Standards Based on HMTR

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27]).

SOURCE: Adopted in R87-5 at 11 Ill. Reg. 19354, effective November 12, 1987; amended in R87-39 at 12 Ill. Reg. 13046, effective July 29, 1988; amended in R89-1 at 13 Ill. Reg. 18403, effective November 13, 1989; amended in R89-9 at 14 Ill. Reg. 6232, effective April 16, 1990; amended in R90-2 at 14 Ill. Reg. 14470, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16508, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9462, effective June 17, 1991; amended in R92-10 at 17 Ill. Reg. 5727, effective March 26, 1993; amended in R93-4 at 18 Ill. Reg. _____, effective November 22, 1993 ____.

SUBPART A: GENERAL

Section 728.101 Purpose, Scope and Applicability

a) This Part identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise prohibited waste may continue to be land disposed.

b) Except as specifically provided otherwise in this Part or 35 Ill. Adm. Code 721, the requirements of this Part apply to persons who generate or transport hazardous waste and to owners and operators of hazardous waste treatment, storage and disposal facilities.

c) Restricted wastes may continue to be land disposed as follows:

1) Where persons have been granted an extension to the effective date of a prohibition under Subpart C or pursuant to Section 728.105, with respect to those wastes covered by the extension;

2) Where persons have been granted an exemption from a prohibition pursuant to a petition under Section 728.106, with respect to those wastes and units covered by the petition;

3) Wastes that are hazardous only because they exhibit a

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hazardous characteristic, and which are otherwise prohibited from land disposal under this Part, are not prohibited from land disposal if the wastes:

A) Are disposed into a nonhazardous or hazardous waste injection well as defined in 35 Ill. Adm. Code 704.106(a); and

B) Do not exhibit any prohibited characteristic of hazardous waste at the point of injection.

d) This Part does not affect the availability of a waiver under Section 121(d)(4) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (42 U.S.C. 9601 et seq).

e) The following hazardous wastes are not subject to any provision of this Part:

1) Wastes generated by small quantity generators of less than 100 kg of non-acute hazardous waste or less than 1 kg of acute hazardous waste per month, as defined in 35 Ill. Adm. Code 721.105;

2) Waste pesticides that a farmer disposes of pursuant to 35 Ill. Adm. Code 722.170;

3) Wastes identified or listed as hazardous after November 8, 1984, for which USEPA has not promulgated land disposal prohibitions or treatment standards.

4) De minimis losses to wastewater treatment systems of commercial chemical product or chemical intermediates that are ignitable (D001), or corrosive (D002), and that contain underlying hazardous constituents as defined in Section 728.102 of this Part, are not considered to be prohibited wastes. De minimis is defined as losses from normal material handling operations (e.g. spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials); minor leaks of process equipment, storage tanks or containers; leaks from well-maintained pump packings and seals; sample purging; and relief device discharges.

5) Land disposal prohibitions do not apply to laboratory wastes displaying the characteristic of ignitable and corrosive laboratory wastes containing underlying hazardous constituents from laboratory operations, that are mixed with other plant wastewaters at facilities whose ultimate discharge is subject to regulations under the CWA (including wastewaters at facilities which have eliminated the discharge of wastewater), provided that the annualized flow of laboratory wastewater into the facility's headwork does not exceed one percent, or provided that the laboratory wastes' combined annualized average concentration does not exceed one part per million in the facility's headwork.

f) This Part is cumulative with the land disposal restrictions of 35

Ill. Adm. Code 729. The Environmental Protection Agency (Agency) shall not issue a wastestream authorization pursuant to 35 Ill. Adm. Code 709 or Sections 22.6 or 39(h) of the Environmental Protection Act (Ill. Rev. Stat. 1987, ch. 111½, pars. 1022.6 or 1039(h)) unless the waste meets the requirements of this Part as well as 35 Ill. Adm. Code 729.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.102 Definitions

When used in this Part the following terms have the meanings given below. All other terms have the meanings given under 35 Ill. Adm. Code 702.110, 720.102 or 721.103.

"Agency" means the Illinois Environmental Protection Agency.

"Board" means the Illinois Pollution Control Board.

"CERCLA" means the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.)

"Debris" means solid material exceeding a 60 mm particle size that is intended for disposal and that is: A manufactured object; or plant or animal matter; or natural geologic material. However, the following materials are not debris: Any material for which a specific treatment standard is provided in 728.Subpart D; Process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, or air emission residues; and intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume. A mixture of debris that has not been treated to the standards provided by Section 728.145 of this Part and other material is subject to regulation as debris if the mixture is comprised primarily of debris, by volume, based on visual inspection.

"Halogenated organic compounds" or "HOCs" means those compounds having a carbon-halogen bond which are listed under Section 728.Appendix C.

"Hazardous constituent or constituents" means those constituents listed in 35 Ill. Adm. Code 721.Appendix H.

"Hazardous debris" means debris that contains a hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D, or that exhibits a characteristic of hazardous waste identified in 35 Ill. Adm. Code 721.Subpart C.

Inorganic Solid Debris are nonfriable inorganic solids that are incapable of passing through a 9.5 mm standard sieve, and that require cutting, or crushing and grinding, in mechanical sizing equipment prior to stabilization, limited to the following inorganic or metal materials:

Metal slags (either dross or scoria).

Glassified slag.

Glass.

Concrete (excluding cementitious or pozzolanic stabilized hazardous wastes).

Masonry and refractory bricks.

Metal cans, containers, drums or tanks.

Metal nuts, bolts, pipes, pumps, valves, appliances or industrial equipment.

Scrap metal as defined in 35 Ill. Adm. Code 721.101(c)(6).

"Land disposal" means placement in or on the land and includes, but is not limited to, placement in a landfill, surface impoundment, waste pile, injection well, land treatment facility, salt dome formation, salt bed formation, underground mine or cave, or placement in a concrete vault or bunker intended for disposal purposes.

"Nonwastewaters" are wastes that do not meet the criteria for "wastewaters" in this Section.

"Polychlorinated biphenyls" or "PCBs" are halogenated organic compounds defined in accordance with 40 CFR 761.3, incorporated by reference in 35 Ill. Adm. Code 720.111

"ppm" means parts per million.

"RCRA corrective action" means corrective action taken under 35 Ill. Adm. Code 724.200 or 725.193, 40 CFR 264.100 or 265.93 (1987), or similar regulations in other States with RCRA programs authorized by USEPA pursuant to 40 CFR 271 (1989).

"Underlying hazardous constituent" means any regulated constituent present at levels above the F039 constituent-specific treatment standard at the point of generation of the hazardous waste.

"USEPA" means the United States Environmental Protection Agency.

"Wastewaters" are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS), with the following exceptions:

F001, F002, F003, F004, F005 solvent-water mixtures that contain less than 1% by weight TOC or less than 1% by weight total F001, F002, F003, F004, F005 solvent constituents listed in Table A.

K011, K013, K014 wastewaters (as generated) that contain less than 5% by weight TOC and less than 1% by weight TSS.

K103 and K104 wastewaters that contain less than 4% by weight TOC and less than 1% by weight TSS.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

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Section 728.105 Procedures for case-by-case Extensions to an Effective Date

a) The Board incorporates by reference 40 CFR 268.5 (1989), as amended at 54 Fed. Reg 36970, September 6, 1989, ~~and~~at 55 Fed. Reg. 23935, June 13, 1990, and 57 Fed. Reg. 37270, August 18, 1992. This Part incorporates no future editions or amendments.

b) Persons may apply to USEPA for extensions of effective dates pursuant to 40 CFR 268.5. Extensions which are granted by USEPA will be deemed extensions of dates specified in the derivative Board rule.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.107 Waste Analysis and Recordkeeping

~~a) Except as specified in Section 728.132 or 728.143, the generator shall test the generator's waste, or test an extract developed using the test method described in Section 728.Appendix A, or use knowledge of the waste, to determine if the waste is restricted from land disposal under this Part.~~

a) Except as specified in Section 728.132, where a generator's waste is listed in 35 Ill. Adm. Code 721.Subpart D, the generator shall test his waste, or test an extract using the test method described in 35 Ill. Adm. Code 721.Appendix B, or use knowledge of the waste, to determine if the waste is restricted from land disposal under this part. Except as specified in Section 728.132, if a generator's waste exhibits one or more of the characteristics set out at 35 Ill. Adm. Code 721.Subpart C, the generator must test an extract using the test method described in 40 C.F.R. 268.Appendix IX (Extraction Procedure (EP) Toxicity Test Method and Structural Integrity Test (SW-846, Method 1310A)) as incorporated by reference in 35 Ill. Adm. Code 720.111, or use knowledge of the waste, to determine if the waste is restricted from land disposal under this part. If the generator determines that his waste displays the characteristic of ignitability (D001) (and is not in the High TOC Ignitable Liquids Subcategory or is not treated by INCIN, FSUBS, or RORGS of Section 728.Table C of this Part), or the characteristic or corrosivity (D002), and is prohibited under Section 728.137, the generator must determine what underlying hazardous constituents (as defined in Section 728.102 of this Part), are reasonably expected to be present in the D001 or D002 waste.

1) If a generator determines that the generator is managing a restricted waste under this Part and determines that the waste does not meet the applicable treatment standards set forth in Subpart D of this Part or exceeds the applicable prohibition levels set forth in Section 728.132 or 728.139, with each shipment of waste the generator shall notify the treatment or storage facility in writing of the appropriate treatment standard set forth in Subpart D of this Part and any applicable prohibition levels set forth in Section 728.132 or 728.139. The notice must include the following information:

A) USEPA Hazardous Waste Number;

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B) The corresponding treatment standards for wastes F001-F005, F039, ~~and~~ wastes prohibited pursuant to Section 728.132 or Section 3004(d) of the Resource Conservation and Recovery Act, referenced in Section 728.139, and for underlying hazardous constituents (as defined in Section 728.102 of this Part), in D001 and D002 wastes must either be included, or be referenced by including on the notification the applicable wastewater (as defined in Section 728.102(f)) or nonwastewater (as defined in Section 728.102(d)) category, the applicable subcatogory made within a waste code based on waste-specific criteria (such as D003 reactive cyanides), and the Section(s) and subsections(s) where the applicable treatment standard appears. ~~Treatment standards for all other restricted wastes must either be referenced as above, or by including on the notification the subcategory of the waste, the treatability group(s) of the waste(s), and the Section and subsection where the treatment standards appear~~. Where the applicable treatment standards are expressed as specified technologies in Section 728.142, the applicable five-letter treatment code found in Table C (e.g., INCIN, WETOX) also must be listed on the notification,

C) The manifest number associated with the shipment of waste; and

D) Waste analysis data, where available. For hazardous debris, the contaminants subject to treatment as provided by Section 728.145(b) and the following statement: "This hazardous debris is subject to the alternative treatment standards of 35 Ill. Adm. Code 728.145; and

E) Waste analysis data, where available.

2) If a generator determines that the generator is managing a restricted waste under this Part, and determines that the waste can be land disposed without further treatment, with each shipment of waste the generator shall submit, to the treatment, storage or land disposal facility, a notice and a certification stating that the waste meets the applicable treatment standards set forth in Subpart D and the applicable prohibition levels set forth in Section 728.132 or 728.139. Generators of hazardous debris that is excluded from the definition of hazardous waste under 35 Ill. Adm. Code 721.103(c), 35 Ill. Adm. Code 728.103(f)(2) and 35 Ill. Adm. Code 720.122 (i.e. debris that is delisted), however are not subject to these notification and certififcation requirements.

A) The notice must include the following information:

i) USEPA Hazardous Waste Number;

ii) The corresponding treatment standards for wastes F001-F005, F039 and wastes prohibited pursuant

to Section 728.132 or Section 3004(d) of the Resource Conservation and Recovery Act, referenced in Section 728.139. Treatment standards for all other restricted wastes must either be referenced as above, or by including on the notification the subcategory of the waste, the treatability group(s) of the waste(s), and the Section and subsection where the treatment standards appear. Where the applicable treatment standards are expressed as specified technologies in Section 728.142, the applicable five-letter treatment code found in Table C (e.g., INCIN, WETOX) also must be listed on the notification.

iii) The manifest number associated with the shipment of waste;

iv) Waste analysis data, where available

B) The certification must be signed by an authorized representative and must state the following:

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 35 Ill. Adm. Code 728.Subpart D and all applicable prohibitions set forth in 35 Ill. Adm. Code 728.132, 728.139 or Section 3004(d) of the Resource Conservation and Recovery Act. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

3) If a generator's waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as, but not limited to, a case-by-case extension under Section 728.105, an exemption under Section 728.106, an extension under Section 728.101(c)(3) or a nationwide capacity variance under 40 CFR 268.Subpart C (1989), with each shipment of waste, the generator shall submit a notice with the waste to the facility receiving the generator's waste, stating that the waste is not prohibited from land disposal. The notice must include the following information:

A) EPA hazardous waste number:

B) The corresponding treatment standards for wastes F001-F005, F039 and wastes prohibited pursuant to Section 728.132 or Section 3004(d) of the Resource Conservation and Recovery Act, referenced in Section 728.139. Treatment standards for all other restricted

wastes must either be referenced as above, or by including on the notification the subcategory of the waste, the treatability group(s) of the waste(s), and the Section and subsection where the treatment standards appear. Where the applicable treatment standards are expressed as specified technologies in Section 728.142, the applicable five-letter treatment code found in Table C (e.g., INCIN, WETOX) also must be listed on the notification.

C) The manifest number associated with the shipment of waste;

D) Waste analysis data, where available;~~, and~~

E) For hazardous debris, the contaminenets subject to treatment as provided by Section 728.145(b) and the following statement: "This hazardous debris is subject to the alternative treatment standards of 35 Ill. Adm. Code 728.145"; and

~~E~~F) The date the waste is subject to the prohibitions.

4) If a generator is managing a prohibited waste in tanks or containers regulated under 35 Ill. Adm. Code 722.134, and is treating such waste in such tanks, containers or containment buildings to meet applicable treatment standards under Subpart D of this Part, the generator shall develop and follow a written waste analysis plan which describes the procedures the generator will carry out to comply with the treatment standards. The plan must be kept on-site in the generator's records, and the following requirements must be met:

A) The waste analysis plan must be based on a detailed chemical and physical analysis of a representative sample of the prohibited waste(s) being treated, and contain all information necessary to treat the waste(s) in accordance with the requirements of this Part, including the selected testing frequency.

B) Such plan must be filed with the Agency a minimum of 30 days prior to the treatment activity, with delivery verified.

C) Wastes shipped off-site pursuant to this subsection must comply with the notification requirements of Section 728.107(a)(2).

5) If a generator determines whether the waste is restricted based solely on the generator's knowledge of the waste, the generator shall retain all supporting data used to make this determination on-site in the generator's files. If a generator determines whether the waste is restricted based on testing the waste or an extract developed using the test method described in Section 728.Appendix A, the generator shall retain all waste analysis data on site in the generator's files.

6) Generators shall retain on-site a copy of all notices, certifications, demonstrations, waste analysis data and other documentation produced pursuant to this Section for at least five years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment storage or disposal. The five year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Agency.

7) If a generator is managing a lab pack that contains wastes identified in Section 728.Appendix D and wishes to use the alternative treatment standard under Section 728.142, with each shipment of waste the generator shall submit a notice to the treatment facility in accordance with subsection (a)(1). The generator shall also comply with the requirements in subsections (a)(5) and (a)(6), and shall submit the following certification, which must be signed by an authorized representative:

> I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only the wastes specified in 35 Ill. Adm. Code 728.Appendix D or solid wastes not subject to regulation under 35 Ill. Adm. Code 721. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

8) If a generator is managing a lab pack that contains organic wastes specified in Section 728.Appendix E and wishes to use the alternate treatment standards under Section 728.142, with each shipment of waste the generator shall submit a notice to the treatment facility in accordance with subsection (a)(1). The generator also shall comply with the requirements in subsections (a)(5) and (a)(6), and shall submit the following certification which must be signed by an authorized representative:

> I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste and that the lab pack contains only organic waste specified in 35 Ill. Adm. Code 728.Appendix E or solid wastes not subject to regulation under 35 Ill. Adm. Code 721. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

9) Small quantity generators with tolling agreements pursuant to 35 Ill. Adm. Code 722.120(e) shall comply with the applicable notification and certification requirements of subsection (a) for the initial shipment of the waste subject to the agreement. Such generators shall retain on-site a copy of the notification and certification, together with the tolling agreement, for at least three years after termination or expiration of the agreement. The three-year record retention period is automatically extended following

notification pursuant to Section 31(d) of the Environmental Protection Act, until either any subsequent enforcement action is resolved, or the Agency notifies the generator documents need no be retained.

b) Treatment facilities shall test their wastes according to the frequency specified in their waste analysis plans as required by 35 Ill. Adm. Code 724.113 or 725.113. Such testing must be performed as provided in subsections (b)(1), (b)(2) and (b)(3).

1) For wastes with treatment standards expressed as concentrations in the waste extract (Section 728.141), the owner or operator of the treatment facility shall test the treatment residues or an extract of such residues developed using the test method described in Section 728.Appendix A to assure that the treatment residues or extract meet the applicable treatment standards.

2) For wastes prohibited under Section 728.132 or 728.139 which are not subject to any treatment standards under Subpart D, the owner or operator of the treatment facility shall test the treatment residues according to the generator testing requirements specified in Section 728.132 to assure that the treatment residues comply with the applicable prohibitions.

3) For wastes with treatment standards expressed as concentrations in the waste (Section 728.143), the owner or operator of the treatment facility shall test the treatment residues (not an extract of such residues) to assure that the treatment residues meet the applicable treatment standards.

4) A notice must be sent with each waste shipment to the land disposal facility which includes the following information, except that debris excluded from the definition of the hazardous waste under Section 728.103(f)(2) (i.e., debris treated by an extraction or destruction technology provided by Section 728.Table F, and debris that is delisted) is subject to the notififcation and certification requirments of subsection (d) below rather than these notification requirments:

A) USEPA Hazardous Waste Number;

B) The corresponding treatment standards for wastes F001-F005, F039, ~~and~~ wastes prohibited pursuant to Section 728.132 or Section 3004(d) of the Resource Conservation and Recovery Act, referenced in Section 728.139, and for underlying hazardous constituents (as defined in Section 728.102 of this Part), in D001 and D002 wastes if those wastes are prohibited under Section 728.137 of this Part. Treatment standards for all other restricted wastes must either be included, or be referenced by including on the notification the applicable wastewater (as defined in Section 728.102(f)) or nonwastewater (as defined in Section 728.102(d)) category, the applicable subdivisions made within a waste code based on waste-specific criteria

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(such as D003 reactive cyanides), and the Section(s) and subsection(s) where the applicable treatment standard appears. ~~Treatment standards for all other restricted wastes must either be referenced as above, or by including on the notification the subcategory of the waste, the treatability group(s) of the waste(s), and the Section and subsection where the treatment standards appear.~~ Where the applicable treatment standards are expressed as specified technologies in Section 728.142, the applicable five-letter treatment code found in Table C (e.g., INCIN, WETOX) also must be listed on the notification.

C) The manifest number associated with the shipment of waste; and

D) Waste analysis data, where available.

5) The treatment facility shall submit a certification with each shipment of waste or treatment residue of a restricted waste to the land disposal facility stating that the waste or treatment residue has been treated in compliance with the treatment standards specified in Subpart D and the applicable prohibitions set forth in Section 728.132 or 728.139. Debris excluded from the definiton of hazardous waste under Section 728.103(f)(2) (i.e., debris treated by an extraction or destruction technology provided by Section 728.Table F, and debris that is delisted), however, is subject to the notififcation and certication requirments of subsection (d) below rather than the certification requirements of subsection (b)(5).

A) For wastes with treatment standards expressed as concentrations in the waste extract or in the waste (Sections 728.141 or 728.143), or for wastes prohibited under Section 728.132 or 728.139 which are not subject to any treatment standards under Subpart D, the certification must be signed by an authorized representative and must state the following:

> I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 35 Ill. Adm. Code 728.Subpart D and all applicable prohibitions set forth in 35 Ill. Adm. Code 728.132 or 728.139 or Section 3004(d) of the Resource Conservation and Recovery Act without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

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B) For wastes with treatment standards expressed as technologies (Section 728.142), the certification must be signed by an authorized representative and must state the following:

> I certify under penalty of law that the waste has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.142. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

C) For wastes with treatment standards expressed as concentrations in the waste pursuant to Section 728.143, if compliance with the treatment standards in Subpart D is based in part or in whole on the analytical detection limit alternative specified in Section 728.143(c), the certification also must state the following:

> I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 35 Ill. Adm. Code 724.Subpart O or 35 Ill. Adm. Code 725.Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

6) If the waste or treatment residue will be further managed at a different treatment or storage facility, the treatment, storage or disposal facility sending the waste or treatment residue off-site must comply with the notice and certification requirements applicable to generators under this Section.

7) Where the wastes are recyclable materials used in a manner constituting disposal subject to the provisions of 35 Ill. Adm. Code 726.120(b), regarding treatment standards and prohibition levels, the owner or operator of a treatment facility (i.e. the recycler) is not required to notify the receiving facility pursuant to subsection (b)(4). With each shipment of such wastes the owner or operator of the recycling facility shall submit a certification described in subsection (b)(5), and a notice which includes the information listed in subsection (b)(4) (except the manifest

number) to the Agency. The recycling facility also shall keep records of the name and location of each entity receiving the hazardous waste-derived product.

c) Except where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal pursuant to 35 Ill. Adm. Code 726.120(b), the owner or operator of any land disposal facility disposing any waste subject to restrictions under this Part shall:

1) Have copies of the notice and certification specified in subsection (a) or (b), and the certification specified in Section 728.108 if applicable.

2) Test the waste, or an extract of the waste or treatment residue developed using the test method described in Section 728.Appendix A or using any methods required by generators under Section 728.132, to assure that the wastes or treatment residues are in compliance with the applicable treatment standards set forth in Subpart D and all applicable prohibitions set forth in Sections 728.132 or 728.139. Such testing must be performed according to the frequency specified in the facility's waste analysis plan as required by 35 Ill. Adm. Code 724.113 or 725.113.

3) Where the owner or operator is disposing of any waste that is subject to the prohibitions under Section 728.133(f) but not subject to the prohibitions set forth in Section 728.132, the owner or operator shall ensure that such waste is the subject of a certification according to the requirements of Section 728.108 prior to disposal in a landfill or surface impoundment unit, and that such disposal is in accordance with the requirements of Section 728.105(h)(2). The same requirement applies to any waste that is subject to the prohibitions under Section 728.133(f) and also is subject to the statutory prohibitions in the codified prohibitions in Section 728.139 or Section 728.132.

4) Where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal subject to the provisions of 35 Ill. Adm. Code 726.120(b), the owner or operator is not subject to subsections (c)(1) through (3) with respect to such waste.

d) Generators or treaters who first claim that hazardous debris is excluded from the definition of hazardous waste under 35 Ill. Adm. Code 728.103(f)(2) (i.e., debris treated by an extraction or destruction technology provided by Section 728.Table F, and debris that has been delisted) are subject to the following notification and certification requirements:

1) A one-time notification must be submitted to the Agency including the following information:

A) The name and address of the RCRA Subtitle D facility receiving the treated debris;

B) A description of the hazardous debris as initially generated, including the applicable EPA Hazardous Waste Number(s); and

C) For debris excluded under 35 Ill. Adm. Code 728.103(f)(2), the technology from Section 728.Table F, used to treat the debris.

2) The notification must be updated if the debris is shipped to a different facility, and, for debris excluded 35 Ill. Adm. Code 721.2(d)(1), if a different type of debris is treated or if a different technology is used to treat the debris.

3) For debris excluded under 35 Ill. Adm. Code 728.103(f)(2), the owner or operator of the treatment facility must document and certify compliance with the treatment standards of Section 728.Table F, as follows:

A) Records must be kept of all inspections, evaluations, and analyses of treated debris that are made to determine compliance with the treatment standards;

B) Records must be kept of any data or information the treater obtains during treatment of the debris that identifies key operating parameters of the treatment unit; and

C) For each shipment of treated debris, a certification of compliance with the treatment standards must be signed by an authorized representative and placed in the facility's files. The certification must state the following: "I certify under penalty of law that the debris has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.145. I am aware that there are significant penalties for making a false certification, including the possibility of fine and imprisonment."

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.109 Special Rules for Characteristic Wastes

a) The initial generator of a solid waste shall determine each waste code applicable to the waste in order to determine the applicable treatment standards under Subpart D of this Part. For purposes of 35 Ill. Adm. Code 728, the waste will carry a waste code designation for any applicable listing under 35 Ill. Adm. Code 721.Subpart D, and also one or more waste code designations under 35 Ill. Adm. Code 721.Subpart C where the waste exhibits the relevant characteristic, except in the case when the treatment standard for the waste code listed in 35 Ill. Adm. Code 721.Subpart D operates in lieu of the standard for the waste code under 35 Ill. Adm. Code 721.Subpart C, as specified in subsection (b) below. If the generator determines that his waste displays the characteristic of ignitability (D001) (and is not in the High TOC Ignitable Liquids Subcategory or is not treated by INCIN, FSUBS, or RORGS of 728.Table C of this Part) are reasonably expected to be present in the D001 or D002 waste.

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b) Where a prohibited waste is both listed under 35 Ill. Adm. Code 721.Subpart D and exhibits a characteristic under 35 Ill. Adm. Code 721.Subpart C, the treatment standard for the waste code listed in 35 Ill. Adm. Code 721.Subpart D will operate in lieu of the standard for the waste code under 35 Ill. Adm. Code 721.Subpart C, provided that the treatment standard for the listed waste includes a treatment standard for the constituent that causes the waste to exhibit the characteristic. Otherwise, the waste must meet the treatment standards for all applicable listed and characteristic waste codes.

c) In addition to any applicable standards determined from the initial point of generation, no prohibited waste which exhibits a characteristic under 35 Ill. Adm. Code 721.Subpart C shall be land disposed unless the waste complies with the treatment standards under Subpart D of this Part.

d) Wastes that exhibit a characteristic are also subject to Section 728.107 requirements, except that once the waste is no longer hazardous, ~~for each shipment of such wastes to a non-hazardous waste facility, regulated under 35 Ill. Adm. Code 807 or 811 through 815, or exempted under Section 21(d)(1)(i) of the Environmental Protection Act, or similarly regulated in other States, the initial generator or the treatment facility need not send a Section 728.107 notification to such facility. In such circumstances, a notification and certification must be sent to the Agency, or, for out-of-State shipments, to the appropriate USEPA Regional Administrator or State authorized, pursuant to 40 CFR 271, to implement 40 CFR 269 requirements~~a one time notification and certification must be placed in the generators or treaters files and sent to the Agency. The notification and certification that is placed in the generators or treaters' files must be updated if the process or opertaion generating the waste changes or if the subtitle D facility receiving the waste changes. However, the generator or treater need only notify the Agency on an annual basis if such changes occur. Such notification and certification should be sent to the Agency by the end of the year but no later than December 31.

1) The notification must include the following information:

A) The name and address of the non-hazardous waste facility receiving the waste shipment;

B) A description of the waste as initially generated, including the applicable USEPA Hazardous Waste Number(s) and treatability group(s);

C) The treatment standards applicable to the waste at the initial point of generation.

2) The certification must be signed by an authorized representative and must state the language found in Section 728.107(b)(5)(A).

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART B: SCHEDULE FOR LAND DISPOSAL PROHIBITION

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AND ESTABLISHMENT OF TREATMENT STANDARDS

Section 728.114 Surface Impoundment exemptions.

a) This Section defines additional circumstances under which an otherwise prohibited waste may continue to be placed in a surface impoundment.

b) Wastes which are newly identified or listed by USEPA persuant to Section 3001 of RCRA (42 U.S.C. § 6921) after November 8, 1984, and stored in a surface impoundment that is newly subject to subtitle C of RCRA (42 U.S.C. § 6921 et seq.) as a result of the additional identification or listing, may continue to be stored in the surface impoundment for 48 months after the promulgation of the additional listing or characteristic, not withstanding that the waste is otherwise prohibited from land disposal, provided that the surface impoundment is in compliance with the requirements of 35 Ill. Adm. Code 725.Subpart F within 12 months after promulgation of the new listing or characteristic.

c) Wastes which are newly identified or listed under Section 3001 (42 U.S.C. § 6921) after November 8, 1984, and treated in a surface impoundment that is newly subject to Subtitle C of RCRA (42 U.S.C. § 6921 et seq.) as a result of the additional identification or listing, may continue to be treated in that surface impoundment, not withstanding that the waste is otherwise prohibited from land disposal, provided that surface impoundment is in compliance with the requirements of 35 Ill. Adm. Code 725.Subpart F within 12 months after the promulgation of the new listing or characteristic. In addition, if the surface impoundment continues to treat hazardous waste after 48 months from promulgation of the additional listing or characteristic, it must then be in compliance with Section 728.104.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART C: PROHIBITION ON LAND DISPOSAL

Section 728.135 Waste Specific Prohibitions--Third Third wastes.

a) The following wastes are prohibited from land disposal.

1) The wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers:

F002 (1,1,2-trichloroethane)
F005 (benzene)
F005 (2-ethoxyethanol)
F005 (2-nitropropane)
F006 (wastewaters),
F019
F025
F039 (wastewaters);

2) The wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers:

K002

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K003
K004 (wastewaters)
K005 (wastewaters)
K006
K008 (wastewaters)
K011 (wastewaters)
K013 (wastewaters)
K014 (wastewaters)
K015 (nonwastewaters)
K017
K021 (wastewaters)
K022 (wastewaters)
K025 (wastewaters)
K026
K029 (wastewaters)
K031 (wastewaters)
K032
K033
K034
K035
K041
K042
K046 (wastewaters, reactive nonwastewaters)
K048 (wastewaters)
K049 (wastewaters)
K050 (wastewaters)
K051 (wastewaters)
K052 (wastewaters)
K060 (wastewaters)
K061 (wastewaters) and (high zinc subcategory > 15% zinc)
K069 (wastewaters, calcium sulfate nonwastewaters)
K073
K083
K084 (wastewaters)
K085
K095 (wastewaters)
K096 (wastewaters)
K097
K098
K100 (wastewaters)
K101 (wastewaters)
K102 (wastewaters)
K105
K106 (wastewaters)

3) The wastes specified in 35 Ill. Adm. Code 721.133(e) as EPA Hazardous Waste Numbers:

P001
P002
P003
P004
P005
P006
P007
P008
P009

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P010 (wastewaters)
P011 (wastewaters)
P012 (wastewaters)
P014
P015
P016
P017
P018
P020
P022
P023
P024
P026
P027
P028
P031
P033
P034
P036 (wastewaters)
P037
P038 (wastewaters)
P042
P045
P046
P047
P048
P049
P050
P051
P054
P056
P057
P058
P059
P060
P064
P065 (wastewaters)
P066
P067
P068
P069
P070
P072
P073
P075
P076
P077
P078
P081
P082
P084
P088
P092 (wastewaters)
P093
P095
P096
P101
P102

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P103
P105
P108

P110
P112
P113
P114
P115
P116
P118
P119
P120
P122
P123

4) The wastes specified in 35 Ill. Adm. Code 721.133(f) as EPA Hazardous Waste Numbers:

U001
U002
U003
U004
U005
U006
U007
U008
U009
U010
U011
U012
U014
U015
U016
U017
U018
U019
U020
U021
U022
U023
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U039
U041
U042

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U043
U044
U045
U046
U047
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U049
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U052
U053
U055
U056
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U061
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U122
U123
U124
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U126
U127
U128
U129
U130
U131
U132
U133
U134
U135
U136 (wastewaters)
U137
U138
U140
U141
U142
U143
U144
U145
U146
U147
U148
U149
U150
U151 (wastewaters)
U152
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U211
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U214
U215
U216
U217
U218
U219
U220
U222
U225
U226
U227
U228
U234
U236
U237
U238
U239
U240
U243
U244

U246
U247
U248
U249

4) The following wastes identified as hazardous based on a characteristic alone:

D001
D002
D003
D004 (wastewaters)
D005
D006
D007
D008 (except for lead materials stored before secondary smelting)
D009 (wastewaters)
D010
D011
D012
D013
D014
D015
D016
D017

b) The following wastes are prohibited from land disposal. The wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers:

K048 (nonwastewaters)
K049 (nonwastewaters)
K050 (nonwastewaters)
K051 (nonwastewaters)
K052 (nonwastewaters)

c) Effective May 8, 1992, the following wastes are prohibited from land disposal:

1) The wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers:

F039 (nonwastewaters)

2) The wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers:

K031 (nonwastewaters)
K084 (nonwastewaters)
K101 (nonwastewaters)
K102 (nonwastewaters)
K106 (nonwastewaters)

3) The wastes specified in 35 Ill. Adm. Code 721.133(e) as EPA Hazardous Waste Numbers:

P010 (nonwastewaters)

P011 (nonwastewaters)
P012 (nonwastewaters)
P036 (nonwastewaters)
P038 (nonwastewaters)
P065 (nonwastewaters)
P087
P092 (nonwastewaters)

4) The wastes specified in 35 Ill. Adm. Code 721.133(f) as EPA Hazardous Waste Numbers:

U136 (nonwastewaters)
U151 (nonwastewaters)

5) The following wastes identified as hazardous based on a characteristic alone:

D004 (nonwastewaters)
D009 (nonwastewaters);

~~6) Inorganic solid debris as defined in 35 Ill. Adm. Code 728.102 (which also applies to chromium refractory bricks carrying the EPA Hazardous Waste Numbers K048-K052); and~~

~~7~~6) RCRA hazardous wastes that contain naturally occurring radioactive materials.

d) Effective May 8, 1992, hazardous wastes listed in Sections 728.110, 728.111 or 728.112 that are mixed radioactive/hazardous wastes, and soil or debris contaminated with hazardous wastes listed in Sections 728.110, 728.111 or 728.112 that are mixed radioactive/hazardous wastes, are prohibited from land disposal, except as provided in subsection (e) below.

e) Subject to the applicable prohibitions of Sections 728.130, 728.131, and 728.132, contaminated soil and debris are prohibited from land disposal as follows:

1) Effective May 8, 1993, debris that is contaminated with wastes listed in Sections 728.110, 728.111 or 728.112 (including such wastes that are mixed radioactive and hazardous wastes), and debris that is contaminated with any characteristic waste for which treatment standards are established in Subpart D of this Part (including such wastes that are mixed radioactive hazardous wastes), are prohibited from land disposal.

2) Effective May 8, 1993, hazardous soil having treatment standards in 728.Subpart D based on incineration, mercury retorting or vitrification, and soils contaminated with hazardous wastes listed in Sections 728.110, 728.111 and 728.112 that are mixed radioactive hazardous wastes, are prohibited from land disposal.

h) Between May 8, 1990, and May 8, 1992, wastes included in subsections (c), (d) and (e), above, shall be disposed of in a landfill or surface impoundment only if such unit is in compliance with the requirements specified in Section 728.105(h)(2).

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i) The requirements of subsections (a), (b), (c), (d) and (e), above, do not apply if:

1) The wastes meet the applicable standards specified in Subpart D of this Part;

2) Persons have been granted an exemption from a prohibition pursuant to a petition under Section 728.106, with respect to those wastes and units covered by the petition;

3) The wastes meet the applicable alternate standards established pursuant to a petition granted under Section 728.144;

4) Persons have been granted an extension to the effective date of a prohibition pursuant to Section 728.105, with respect to these wastes covered by the extension.

j) To determine whether a hazardous waste listed in Section 728.110, 728.111 or 728.112 exceeds the applicable treatment standards specified in Sections 728.141 and 728.143, the initial generator shall either test a representative sample of the waste extract or the entire waste, depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, or use knowledge of the waste. If the waste contains constituents in excess of the applicable Subpart D of this Part levels, the waste is prohibited from land disposal, and all requirements of this Part are applicable, except as otherwise specified.

k) Effective May 8, 1993, D008 lead materials stored before secondary smelting are prohibited from land disposal. On or before March 1, 1993, the owner or operator of each secondary lead smelting facility shall submit to the Agency the following: A binding contractual commitment to construct or otherwise provide capacity for storing such D008 wastes prior to smelting which complies with all applicable storage standards; documentation that the capacity to be provided will be sufficient to manage the entire quantity of such D008 wastes; and, a detailed schedule for providing such capacity. Failure by a facility to submit such documentation will render such D008 managed by that facility prohibited from land disposal effective March 1, 1993. In addition, no later than July 27, 1992, the owner or operator of each facility shall place in the facility record documentation of the manner and location in which such wastes will be managed pending completion of such capacity, demonstrating that such management capacity will be adequate and complies with all applicable requirements of 35 Ill. Adm. Code 720 through 728.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.136 Waste Specific Prohibitions -- Newly Listed Wastes.

a) Effective November 9, 1992, the wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers K107, K108, K109, K110, K111, K112, K117, K118, K123, K124, K125, K126, K131, K132, and K136; and the wastes specified in 35 Ill. Adm. Code 721.133(f) as EPA Hazardous Waste numbers U328, U353, and U359 are prohibited from land disposal.

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b) Effective June 30, 1993, the wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers F037 and F038 that are not generated from surface impoundment cleanouts or closures are prohibited from land disposal.

c) Effective June 30, 1994, the wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers F037 and F038 that are generated from surface impoundment cleanouts or closures are prohibited from land disposal.

d) Effective June 30, 1994, radioactive wastes that are mixed with hazardous wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers F037 and F038; the wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers K107, K108, K109, K110, K111, K112, K117, K118, K123, K124, K125, K126 K131, K132, and K136; or the wastes specified in 35 Ill. Adm. Code 721.133(f) as EPA Hazardous Waste Numbers U328, U353, and U359 are prohibited from land disposal.

e) Effective June 30, 1994, debris contaminated with hazardous wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers F037 and F038; the wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers K107, K108, K109, K110, K111, K112, K117, K118, K123, K124, K125, K126 K131, K132, and K136; or the wastes specified in 35 Ill. Adm. Code 721.133(f) as EPA Hazardous Waste Numbers U328, U353, and U359; and which is not contaminated with any other waste already subject to a prohibition are prohibited from land disposal.

f) Between June 30, 1992 and June 30, 1993, the wastes included in subsection (b) of this Section may be disposed of in a landfill, only if such unit is in compliance with the requirements specified in subsection 728.105(h)(2), and may be generated in and disposed of in a surface impoundment only if such unit is in compliance with either subsection 728.105(h)(2) or Section 728.114.

g) Between June 30, 1992 and June 30, 1994, the wastes included in subsections (d) and (e) of this Section may be disposed of in a landfill only if such unit is in compliance with the requirements specified in subsection 728.105(h)(2), and may be generated in and disposed of in a surface impoundment only if such unit is in compliance with either subsection 728.105(h)(2) or Section 728.114.

h) The requirements of subsections (a), (b), (c), (d), and (e) above do not apply if:

1) The wastes meet the applicable standards specified in 728.Subpart D;

2) Persons have been granted an exemption from a prohibition pursuant to a petition under Section 728.106, with respect to those wastes and units covered by the petition;

3) The wastes meet the applicable alternate standards established pursuant to a petition granted under Section 728.144;

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4) Persons have been granted an extension to the effective date of a prohibition pursuant to Section 728.105, with respect to the wastes covered by the extension.

i) To determine whether a hazardous waste identified in this Section exceeds the applicable treatment standards specified in Sections 728.141 and 728.143, the initial generator must test a representative sample of the waste extract or the entire waste, depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, or the generator may use knowledge of the waste. If the waste contains constituents in excess of the applicable levels in 728.Subpart D, the waste is prohibited from land disposal, and all requirements of Part 728 are applicable, except as otherwise specified.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.137 Waste Specific Prohibitions -- Ignitable and Corrosive Characteristic Wastes Whose Treatment Standards Were Vacated

a) Effective August 9, 1993, the wastes specified in 35 Ill. adm. code 721.121 as D001 (and is not in the High TOC Ignitable Liquids Subcategory), and specified in 35 Ill. Adm. Code 721.122 as D002, that are managed in systems other than those whose discharge is regulated under the Clean Water Act (CWA), or that inject in Class I deep wells regulated under the Safe Drinking Water Act (SDWA), or that are zero dischargers that engage in CWA-equivalent treatment before ultimate land disposal, are prohibited from land disposal. CWA-equivalent treatment means biological treatment for organics, alkaline chlorination or ferrous sulfate precipitation for cyanide, precipitation/sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

b) Effective February 10, 1994, the wastes specified in 35 Ill. Adm. Code 721.121 as D001 (and is not in the High TOC Ignitable Liquids Subcategory), and specified in 35 Ill. Adm. Code 721.122 as D002, that are managed in systems defined in 35 Ill.Adm. Code 704 and 730 as Class V injection wells, that do not engage in CWA-equivalent treatment before injection, are prohibited from land disposal.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART D: TREATMENT STANDARDS

Section 728.140 Applicability of Treatment Standards

a) A restricted waste identified in Section 728.141 may be land disposed only if an extract of the waste or of the treatment residue of the waste developed using the test method Section 728.Appendix A does not exceed the value shown in Table A for any hazardous constituent listed in Table A for that waste, with the following exceptions: D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136. Wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136 may be land

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disposed only if an extract of the waste or of the treatment residue of the waste developed using either the test method in 35 Ill. Adm. Code 721.Appendix A or the test method in 35 Ill. Adm. Code 728.Appendix B does not exceed the value shown in Table B for any hazardous constituent listed in Table A for that waste.

b) A restricted waste for which a treatment technology is specified under Section 728.142(a) or hazardous debris for which a treatment technology is specified under Section 728.145 may be land disposed after it is treated using that specified technology or an equivalent treatment method approved by the Agency under the procedures set forth in Section 728.142(b). For waste displaying the characteristic of ignitability (D001) and reactivity (D003), that are diluted to meet the deactivation treatment standard in Section 728.Tables C and D (DEACT), the treater must comply with the precautionary measures specified in 35 Ill. adm. Code 724.117(b) and 35 Ill. Adm. Code 725.117(b).

c) Except as otherwise specified in Section 728.143(c), a restricted waste identified in Section 728.143 may be land disposed only if the constituent concentrations in the waste or treatment residue of the waste do not exceed the value shown in Table B for any hazardous constituent listed in Table B for that waste.

d) If a treatment standard has been established in Sections 728.141 through 728.143 for a hazardous waste that is itself subject to those standards rather than the standards for hazardous debris under Section 728.145.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.141 Treatment Standards expressed as Concentrations in Waste Extract

a) Table A identifies the restricted wastes and the concentrations of their associated constituents which may not be exceeded by the extract of a waste or waste treatment residual developed using the test method in Section 728.Appendix A for the allowable land disposal of such wastes~~, with the exception of wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036 and U136 and the concentrations of their associated constituents which shall not be exceeded by the extract of a waste or waste treatment residual developed using the test method in 35 Ill. Adm. Code 721.Appendix B for the allowable land disposal of such wastes. (Appendix B of this Part provides guidance on treatment methods that have been shown to achieve the Table A levels for the respective wastes. Appendix B of this Part is not a regulatory requirement but is provided to assist generators and owners or operators in their selection of appropriate treatment methods.)~~. Compliance with these concentrations is required based upon grab samples, unless otherwise noted in Table A.

b) When wastes with differing treatment standards for a constituent of concern are combined for purposes of treatment, the treatment residue must meet the lowest treatment standard for the constituent of concern, except that mixtures of high and low zinc nonwastewater K061 are subject to the treatment standard for high

zinc K061.

c) The treatment standards for the constituents in F001-F005 which are listed in Part 728.Table A only apply to wastes which contain one, two, or all three of these constituents. If the waste contains any of these three constituents along with any of the other 26 constituents found in F001-F005, then only the treatments standards in Section 728.143 Table A are required.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.142 Treatment Standards expressed as Specified Technologies

a) The following wastes in subsections (a)(1) and (2) and Table D and E must be treated using the technology or technologies specified in subsections (a)(1) and (2) and Table C.

1) Liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm must be incinerated in accordance with technical requirements at 40 CFR 761.70, incorporated by reference in 35 Ill. Adm. Code 720.111, or burned in high efficiency boilers in accordance with the technical requirements of 40 CFR 761.60. Liquid hazardous wastes containing PCBs at concentrations greater than or equal to 500 ppm must be incinerated in accordance with the technical requirements of 40 CFR 761.70. Thermal treatment in accordance with this Section must be in compliance with applicable regulations in 35 Ill. Adm. Code 724, 725 and 726.

2) Nonliquid hazardous wastes containing halogenated organic compounds (HOCs) in total concentrations greater than or equal to 1000 mg/kg and liquid HOC-containing wastes that are prohibited under Section 728.132(e)(1) must be incinerated in accordance with the requirements of 35 Ill. Adm. Code 724.Subpart O or 35 Ill. Adm. Code 725.Subpart O. These treatment standards do not apply where the waste is subject to a Subpart C of this Part treatment standard for a specific HOC (such as a hazardous waste chlorinated solvent for which a treatment standard is established under Section 728.141(a)).

b) Any person may submit an application to the Agency demonstrating that an alternative treatment method can achieve a level of performance equivalent to that achievable by methods specified in subsections (a), (c) and (d) for wastes or specifiied in of Section 728.Table F for hazardous debris. The applicant shall submit information demonstrating that the applicant's treatment method is in compliance with federal and state requirements, including this Part, 35 Ill. Adm. Code 709, 724, 725, 726 and 729 and Sections 22.6 and 39(h) of the Environmental Protection Act (Ill. Rev. Stat. 1987, ch. 111½, pars. 1022.6 and 1039(h) [415 ILCS 5/22.6 and 5/39(h)]), and is protective of human health or the environment. On the basis of such information and any other available information, the Agency shall approve the use of the alternative treatment method if the Agency finds that the alternative treatment method provides a measure of performance equivalent to that achieved by methods specified in subsections

(a), (c) and (d), and in Section 728.Table F, for hazardous debris. Any approval must be stated in writing and may contain such provisions and conditions as the Agency determines to be appropriate. The person to whom such approval is issued shall comply with all limitations contained in such determination.

c) As an alternative to the otherwise applicable Subpart D of this Part treatment standards, lab packs are eligible for land disposal provided the following requirements are met:

1) The lab packs comply with the applicable provisions of 35 Ill. Adm. Code 724.416 and 725.416;

BOARD NOTE: 35 Ill. Adm. Code 729.301 and 729.312 include additional restrictions on the use of lab packs.

2) All hazardous wastes contained in such lab packs are specified in Section 728.Appendix D or Section 728.Appendix E;

3) The lab packs are incinerated in accordance with the requirements of 35 Ill. Adm. Code 724.Subpart O or 35 Ill. Adm. Code 725.Subpart O; and

4) Any incinerator residues from lab packs containing D004, D005, D006, D007, D008, D010 and D011 are treated in compliance with the applicable treatment standards specified for such wastes in Subpart D.

d) Radioactive hazardous mixed wastes with treatment standards specified in Table E are not subject to any treatment standards specified in Section 728.141, Section 728.143 or Table D. Radioactive hazardous mixed wastes not subject to treatment standards in Table E remain subject to all applicable treatment standards specified in Section 728.141, Section 728.143 and Table D. Hazardous debris containing radioactive waste is not subject to the treatment standards specified in Section 728.Table F but is subject to the treatment standards specified in Section 728.145.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.145 Treatment Standards for Hazardous Debris

a) Treatment standards. Hazardous debris must be treated prior to land disposal as follows unless EPA determines under 35 Ill. Adm. Code 721.103(d)(2) that the debris is no longer contaminated with hazardous waste or the debris is treated to the waste-specific treatment standard provided in this Subpart for the waste contaminating the debris:

1) General. Hazardous debris must be treated for each "contaminant subject to treatment" defined by subsection (b) of this Section using the technology or technologies identified in Section 728.Table F.

2) Characteristic debris. Hazardous debris that exhibits the characteristic of ignitability, corrosivity, or reactivity identified under 35 Ill. Adm. Code 721.121, 721.122, and

721.123, respectively, must be deactivated by treatment using one of the technologies identified in Section 728.Table F.

3) Mixtures of debris types. The treatment standards of Section 728.Table F must be achieved for each type of debris contained in a mixture of debris types. If an immobilization technology is used in a treatment train, it must be the last treatment technology used.

4) Mixtures of contaminant types. Debris that is contaminated with two or more contaminants subject to treatment identified under subsection (b) of this Section must be treated for each contaminant using one or more treatment technologies identified in Section 728.Table F. If an immobilization technology is used in a treatment train, it must be the last treatment technology used.

5) Waste PCBs. Hazardous debris that is also a waste PCB under 40 CFR 761 is subject to the requirements of either 40 CFR 761 or the requirements of this Section, whichever are more stringent.

b) Contaminants subject to treatment. Hazardous debris must be treated for each "contaminant subject to treatment." The contaminants subject to treatment must be determined as follows:

1) Toxicity characteristic debris. The contaminants subject to treatment for debris that exhibits the Toxicity Characteristic (TC) by 35 Ill. Adm. Code 721.124 are those EP constituents for which the debris exhibits the TC toxicity characteristic.

2) Debris contaminated with listed waste. The contaminants subject to treatment for debris that is contaminated with a prohibited listed hazardous waste are those constituents for which BDAT standards are established for the waste under Sections 728.141 and 728.143.

3) Cyanide reactive debris. Hazardous debris that is reactive because of cyanide must be treated for cyanide.

c) Conditioned exclusion of treated debris. Hazardous debris that has been treated using one of the specified extraction or destruction technologies in Section 728.Table F and that does not exhibit a characteristic of hazardous waste identified under 35 Ill. Adm. Code 721.Subpart C after treatment is not a hazardous waste and need not be managed in a subtitle C facility. Hazardous debris contaminated with a listed waste that is treated by an immobilization technology specified in Table 1 is a hazardous waste and must be managed in a subtitle C facility.

d) Treatment residuals

1) General requirements. Except as provided by subsections (d)(2) and (d)(4) below:

A) Residue from the treatment of hazardous debris must be

separated from the treated debris using simple physical or mechanical means; and

B) Residue from the treatment of hazardous debris is subject to the waste-specific treatment standards provided by 728.Subpart D for the waste contaminating the debris.

2) Nontoxic debris. Residue from the deactivation of ignitable, corrosive, or reactive characteristic hazardous debris (other than cyanide-reactive) that is not contaminated with a contaminant subject to treatment defined by subsection (b) above, must be deactivated prior to land disposal and is not subject to the waste-specific treatment standards of Subpart D of this Part.

3) Cyanide-reactive debris. Residue from the treatment of debris that is reactive because of cyanide must meet the standards for D003 under Section 728.143.

4) Ignitable nonwastewater residue. Ignitable nonwastewater residue containing equal to or greater than 10% total organic carbon is subject to the technology-based standards for D001: "Ignitable Liquids based on 35 Ill. Adm. Code 721.121(a)(1)" under Section 728.142.

5) Residue from spalling. Layers of debris removed by spalling are hazardous debris that remain subject to the treatment standards of this Section.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.146 Alternative Treatment Standards based on HTMR

Section 728.Table G identifies alternative treatment standards for F006 and K062 nonwastewaters.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART E: PROHIBITIONS ON STORAGE

Section 728.150 Prohibitions on Storage of Restricted Wastes

a) Except as provided in this Section, the storage of hazardous wastes restricted from land disposal under Subpart C is prohibited, unless the following conditions are met:

1) A generator stores such wastes in tanks ~~or~~, containers or containment buildings on-site solely for the purpose of the accumulation of such quantities of hazardous waste as necessary to facilitate proper recovery, treatment or disposal and the generator complies with the requirements in 35 Ill. Adm. Code 722.134 and 35 Ill. Adm. Code 724 and 725. (A generator who is in existence on the effective date of a regulation under this Part and who must store hazardous wastes for longer than 90 days due to the regulations under this Part becomes an owner or operator of a storage facility

and must obtain a RCRA permit, as required by 35 Ill. Adm. Code 703. Such a facility may qualify for interim status upon compliance with the regulations governing interim status under 35 Ill. Adm. Code 703.153.)

2) An owner or operator of a hazardous waste treatment, storage or disposal facility stores such wastes in tanks, ~~or~~ containers or containment buildings solely for the purpose of the accumulation of such quantities of hazardous waste as necessary to facilitate proper recovery, treatment or disposal and;

A) Each container is clearly marked to identify its contents and the date each period of accumulation begins;

B) Each tank is clearly marked with a description of its contents, the quantity of each hazardous waste received and the date each period of accumulation begins, or such information is recorded and maintained in the operating record at the facility. Regardless of whether the tank itself is marked, the owner and operator shall comply with the operating record requirements of 35 Ill. Adm. Code 724.173 or 725.173.

3) A transporter stores manifested shipments of such wastes at a transfer facility for 10 days or less

b) An owner or operator of a treatment, storage or disposal facility may store such wastes for up to one year unless the Agency can demonstrate that such storage was not solely for the purpose of accumulation of such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment or disposal.

c) An owner or operator of a treatment, storage or disposal facility may store wastes beyond one year; however, the owner or operator bears the burden of proving that such storage was solely for the purpose of accumulation of such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment or disposal.

d) If a generator's waste is exempt from a prohibition on the type of land disposal utilized for the waste (for example, because of an approved case-by-case extension under 40 CFR 268.5, incorporated by reference in Section 728.105, an approved Section 728.106 petition or a national capacity variance under 40 CFR 268, Subpart C, the prohibition in subsection (a) does not apply during the period of such exemption.

e) The prohibition in subsection (a) does not apply to hazardous wastes that meet the treatment standards specified under Sections 728.141, 728.142 and 728.143 or the adjusted treatment standards specified under Section 728.144, or, where treatment standards have not been specified, is in compliance with the applicable prohibitions specified in Section 728.132 or 728.139.

f) Liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm must be stored at a facility that meets

the requirements of 40 CFR 761.65(b), incorporated by reference in 35 Ill. Adm. Code 720.111, and must be removed from stroage and treated or disposed as required by the Part within one year of the date when such wastes are first placed into storage. The provisions of subsection (c) do not apply to such PCB wastes prohibited under Section 728.132.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.Appendix B Treatment Standards (As concentrations in the Treatment Residual Extract)

The Board incorporates by reference 40 CFR 268, Appendix II (198~~8~~91) as amended at 57 Fed. Reg. 37281 (Aug. 18, 1992). This incorporation includes no future editions or amendments.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.Table A Constituent Concentrations in Waste Extract (CCWE)

D, F and K Listed Wastes

Waste Code	See Also	Regulated Hazardous Constituent	CAS No. for Regulated Hazardous Constituent	Concentration (mg/L) Wastewaters	Concentration (mg/L) Nonwastewaters
D004	Table B	Arsenic	7440-38-2	NA	5.0 ~~#~~
D005	Table B	Barium	7440-39-3	NA	100.
D006	Table B	Cadmium	7440-43-9	NA	1.0
D007	Table B	Chromium (Total)	7440-47-32	NA	5.0
D008	Table B	Lead	7439-92-1	NA	5.0
D009 (Low Mercury Subcategory--less than 260 mg/kg Mercury)					
	Tables B & D	Mercury	7439-97-6	NA	0.20
D010	Table B	Selenium	7782-49-2	NA	5.7
D011	Table B	Silver	7440-22-4	NA	5.0
F001-F005 spent solvents					
	~~Tables B & D~~	~~Acetone~~	~~67-64-1~~	~~0.25~~	~~0.59~~
		~~n-Butyl alcohol~~	~~71-36-3~~	~~5.0~~	~~5.0~~
	Table B	Carbon disulfide	75-15-0	1.05	4.8~~1~~
		~~Carbon tetrachloride~~	~~56-23-5~~	~~0.05~~	~~0.96~~
		~~Chlorobenzene~~	~~108-90-7~~	~~0.15~~	~~0.05~~
		~~Cresols (and cresylic acid)~~		~~2.82~~	~~0.75~~
		Cyclohexanone	108-94-1	0.125	0.75
		~~1,2-Dichlorobenzene~~	~~95-50-1~~	~~0.65~~	~~0.125~~
		~~Ethyl acetate~~	~~141-78-6~~	~~0.05~~	~~0.75~~

		~~Ethylbenzene~~	~~100-41-4~~	~~0.05~~	~~0.053~~
		~~Ethyl ether~~	~~60-29-7~~	~~0.05~~	~~0.75~~
		~~Isobutanol~~	~~78-83-1~~	~~5.0~~	~~5.0~~
		Methanol	67-56-1	0.25	0.75
		~~Methylene chloride~~	~~75-9-2~~	~~0.20~~	~~0.9~~
		~~Methyl ethyl ketone~~	~~78-93-3~~	~~0.05~~	~~0.75~~
		~~Methyl isobutyl ketone~~	~~108-10-1~~	~~0.05~~	~~0.33~~
		~~Nitrobenzene~~	~~98-95-3~~	~~0.66~~	~~0.125~~
		~~Pyridine~~	~~110-86-1~~	~~1.12~~	~~0.33~~
		~~Tetrachloroethylene~~	~~127-18-4~~	~~0.079~~	~~0.05~~
		~~Toluene~~	~~108-88-3~~	~~1.12~~	~~0.33~~
		~~1,1,1-Trichloroethane~~	~~71-55-6~~	~~1.05~~	~~0.41~~
		~~1,1,2-Trichloro-1,2,2-trifluoroethane~~	~~76-13-1~~	~~1.05~~	~~0.96~~
		~~Trichloroethylene~~	~~79-01-6~~	~~0.062~~	~~0.091~~
		~~Trichlorofluoromethane~~	~~75-69-4~~	~~0.05~~	~~0.96~~
		~~Xylene~~		~~0.05~~	~~0.15~~
F006	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Nickel	7440-02-0	NA	0.32
		Silver	7440-22-4	NA	0.072
F007	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Nickel	7440-02-0	NA	0.32
		Silver	7440-22-4	NA	0.072
F008	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Nickel	7440-02-0	NA	0.32
		Silver	7440-22-4	NA	0.072
F009	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Nickel	7440-02-0	NA	0.32
		Silver	7440-22-4	NA	0.072
F011	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Nickel	7440-02-0	NA	0.32
		Silver	7440-22-4	NA	0.072
F012	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Nickel	7440-02-0	NA	0.32
		Silver	7440-22-4	NA	0.072
F019	Table B	Chromium (Total)	7440-47-32	NA	0.072

F020-F023 and F026-F028 dioxin-containing wastes *

		HxCDD-All Hexachlorodibenzo-p-dioxins		<1. ppb	<1. ppb
		HxCDF-All Hexachlorodibenzofurans		<1. ppb	<1. ppb
		PeCDD-All Pentachlorodibenzo-p-dioxins		<1. ppb	<1. ppb
		PeCDF-All Pentachlorodibenzofurans		<1. ppb	<1. ppb
		TCDD-All Tetrachlorodibenzo-p-dioxins		<1. ppb	<1. ppb
		TCDF-All Tetrachlorodibenzofurans		<1. ppb	<1. ppb
		2,4,5-Trichlorophenol	95-95-4	<0.05 ppm	<0.05 ppm
		2,4,6-Trichlorophenol	88-06-2	<0.05 ppm	<0.05 ppm
		2,3,4,6-Tetrachlorophenol	58-90-2	<0.05 ppm	<0.05 ppm
		Pentachlorophenol	87-86-5	<0.05 ppm	<0.05 ppm
F024	Table B	Chromium (Total)	7440-47-32	NA	0.073
		Lead	7439-92-1	NA	0.021
		Nickel	7440-02-0	NA	0.088
F037	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
F038	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
F039 (and D001 and D002 wastes prohibited under Section 728.137					
~~F039~~	Tables B & D	Antimony	7440-36-0	NA	0.23
		Arsenic	7440-38-2	NA	5.0
		Barium	7440-39-3	NA	52.
		Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Mercury	7439-97-6	NA	0.025
		Nickel	7440-02-0	NA	0.32
		Selenium	7782-49-2	NA	5.7
		Silver	7440-22-4	NA	0.072
K001	Table B	Lead	7439-92-1	NA	0.51
K002	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K003	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K004	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K005	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K006 (anhydrous)					
	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37

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K006 (hydrated)					
	Table B	Chromium (Total)	7440-47-32	NA	5.2
K007	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K008	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K015	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Lead	7439-92-1	NA	0.2
K021	Table B	Antimony	7440-36-0	NA	0.23 #
K022	Table B	Chromium (Total)	7440-47-32	NA	5.2
		Nickel	7440-02-2	NA	0.32
K028	Table B	Chromium (Total)	7440-47-32	NA	0.073
		Lead	7439-92-1	NA	0.021
		Nickel	7440-02-2	NA	0.088
K031	Table B	Arsenic	7440-38-2	NA	5.6 #
K046	Table B	Lead	7439-92-1	NA	0.18
K048	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-2	NA	0.20
K049	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-2	NA	0.20
K050	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-2	NA	0.20
K051	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-2	NA	0.20
K052	Table B	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-2	NA	0.20
~~K061 (Low Zinc Subcategory--less than 15% Total Zinc)~~					
	~~Table B~~	~~Cadmium~~	~~7440-43-9~~	~~NA~~	~~0.14~~
		~~Chromium (Total)~~	~~7440-47-32~~	~~NA~~	~~5.2~~
		~~Lead~~	~~7439-92-1~~	~~NA~~	~~0.24~~
		~~Nickel~~	~~7440-02-2~~	~~NA~~	~~0.32~~
K061	Table B	Antimony	7440-36-0	NA	2.1
		Arsenic	7440-38-2	NA	0.055
		Barium	7440-39-3	NA	7.6
		Beryllium	7440-41-7	NA	0.014
		Cadmium	7440-43-9	NA	0.19
		Chromium (Total)	7440-47-32	NA	0.33
		Lead	7439-92-1	NA	0.37
		Mercury	7439-97-6	NA	0.009
		Nickel	7440-02-0	NA	5.
		Selenium	7782-49-2	NA	0.16
		Silver	7440-22-4	NA	0.3
		Thallium		NA	0.078
		Zinc	7440-66-6	NA	5.3

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K062	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K069 (Calcium Sulfate Subcategory)					
	Tables B & D	Cadmium	7440-43-9	NA	0.14
		Lead	7439-92-1	NA	0.24
K071 (Low Mercury Subcategory--less than 16 mg/kg Mercury)					
	Table B	Mercury	7439-97-6	NA	0.025
K083	Table B	Nickel	7440-02-2	NA	0.088
K084	Table B	Arsenic	7440-38-2	NA	5.6 #
K086	Table B	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K087	Table B	Lead	7439-92-1	NA	0.51
K100	Table B	Cadmium	7440-43-9	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
K101	Table B	Arsenic	7440-38-2	NA	5.6 #
K102	Table B	Arsenic	7440-38-2	NA	5.6 #
K106 (Low Mercury Subcategory--less than 260 mg/kg Mercury--residues from RMERC)					
	Tables B & D	Mercury	7439-97-6	NA	0.20
K106 (Low Mercury Subcategory--less than 260 mg/kg Mercury--that are not residues from RMERC)					
	Tables B & D	Mercury	7439-97-6	NA A	0.20
K115	Table B	Nickel	7440-02-2	NA	0.32

#--These treatment standards have been based on EP Leachate analysis but this does not preclude the use of TCLP analysis.

*--These waste codes are not subcategorized into wastewaters and nonwastewaters.

NA--Not Applicable.

P and U Listed Wastes

Waste Code	See Also	Commercial Chemical Name	Regulated Hazardous Constituent	CAS No. for Regulated Hazardous Constituent	Concentration (mg/L) Wastewaters	Concentration (mg/L) Nonwastewaters
P010	Table B	Arsenic acid	Arsenic	7440-38-2	NA	5.6

P011	Table B	Arsenic pentoxide	Arsenic	7440-38-2	NA	5.6
P012	Table B	Arsenic tri-oxide	Arsenic	7440-38-2	NA	5.6
P013	Table B	Barium cyanide	Barium	7440-39-3	NA	52.
P036	Table B	Dichloro-phenylarsine	Arsenic	7440-38-2	NA	5.6
P038	Table B	Diethyl-arsine	Arsenic	7440-38-2	NA	5.6
P065 (Low Mercury Subcategory--less than 260 mg/kg Mercury--residues from RMERC)						
	Tables B & D	Mercury fulminate	Mercury	7439-97-6	NA	0.20
P065 (Low Mercury Subcategory--less than 260 mg/kg Mercury--incinerator residues (and are not residues from RMERC))						
	Tables B & D	Mercury fulminate	Mercury	7439-97-6	NA	0.025
P073	Table B	Nickel carbonyl	Nickel	7440-02-2	NA	0.32
P074	Table B	Nickel cyanide	Nickel	7440-02-2	NA	0.32
P092 (Low Mercury Subcategory -- less than 260 mg/kg Mercury residues from RMERC)						
	Tables B & D	Phenyl mer-cury acetate	Mercury	7439-97-6	NA	0.20
P092 (Low Mercury Subcategory--less than 260 mg/kg Mercury--incinerator residues (and are not residues from RMERC))						
	Tables B & D	Phenyl mer-cury acetate	Mercury	7439-97-6	NA	0.025
P099	Table B	Potassium silver cyanide	Silver	7440-22-4	NA	0.072
P103	Table B	Selenourea	Selenium	7782-49-2	NA	5.7
P104	Table B	Silver cyanide	Silver	7440-22-4	NA	0.072
P110	Table B	Tetraethyl lead	Lead	7439-92-1	NA	0.51
P114	Table B	Thallium selenite	Selenium	7782-49-2	NA	5.7
U032	Table B	Calcium chromate	Chromium (Total)	7440-47-32	NA	0.094

U051	Table B	Creosote	Lead	7439-92-1	NA	0.51
U136	Table B	Cacodylic acid	Arsenic	7440-38-2	NA	5.6
U144	Table B	Lead acetate	Lead	7439-92-1	NA	0.51
U145	Table B	Lead phosphate	Lead	7439-92-1	NA	0.51
U146	Table B	Lead sub-acetate	Lead	7439-92-1	NA	0.51
U151 (Low Mercury Subcategory--less than 260 mg/kg Mercury--residues from RMERC)						
	Tables B & D	Mercury	Mercury	7439-97-6	NA	0.20
U151 (Low Mercury Subcategory--less than 260 mg/kg Mercury--that are not residues from RMERC)						
	Tables B & D	Mercury	Mercury	7439-97-6	NA	0.025
U204	Table B	Selenium dioxide	Selenium	7782-49-2	NA	5.7
U205	Table B	Selenium sulfide	Selenium	7782-49-2	NA	5.7

#--These treatment standards have been based on EP Leachate analysis but this does not preclude the use of TCLP analysis.

*--These waste codes are not subcategorized into wastewaters and nonwastewaters.

NA--Not Applicable.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.Table B Constituent Concentrations in Wastes (CCW)

D, F and K Listed Wastes

Waste Code	See Also	Regulated Hazardous Constituent	CAS No. for Regulated Hazardous Constituent	Concentration (mg/L) Wastewaters	Concentration (mg/L) Nonwastewaters
D003 (Reactive cyanides subcategory--based on Cyanides (Amenable) 35 Ill. Adm. Code 721.123(a)(5))					
		Cyanides (Total)	57-12-5	Res.	# 590.
D004	Table A	Arsenic	7440-38-2	5.0	NA
D005	Table A	Barium	7440-39-3	100.	NA
D006	Table A	Cadmium	7440-43-9	1.0	NA

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D007	Table A	Chromium (Total)	7440-47-32	5.0	NA
D008	Table A	Lead	7439-92-1	5.0	NA
D009	Table A	Mercury	7439-97-6	0.20	NA
D010	Table A	Selenium	7782-49-2	1.0	NA
D011	Table A	Silver	7440-22-4	5.0	NA
D012	Table D	Endrin	720-20-8	NA	0.13
D013	Table D	Lindane	58-89-9	NA	0.066
D014	Table D	Methoxychlor	72-43-5	NA	0.18
D015	Table D	Toxaphene	8001-35-1	NA	1.3
D016	Table D	2,4-D	94-75-7	NA	10.0
D017	Table D	2,4,5-TP Silvex	93-76-5	NA	7.9
F001-F005 spent solvents					
	~~Tables A & D~~	~~1,1,2-Trichloroethane~~	~~71-55-6~~	~~0.030~~	~~a 7.6~~
		~~Benzene~~	~~71-43-2~~	~~0.070~~	~~a 3.7~~
		Acetone	67-64-1	0.28	160.
		Benzene	71-43-2	0.070	a 3.7
		n-Butyl alcohol	71-36-3	5.6	2.6
		Carbon tetrachloride	56-23-5	0.057	5.6
		Chlorobenzene	108-90-7	0.057	5.7
		Cresol (m- and p-isomers)		0.77	3.2
		o-cresol		0.11	5.6
		o-Dichlorobenzene	95-50-1	0.088	6.2
		Ethyl acetate	141-7-6	0.34	33.
		Ethyl benzene	100-41-4	0.057	6.0
		Ethyl ether	60-29-7	0.12	160.
		Isobutyl alcohol	78-83-1	5.6	170.
		Methylene chloride	75-9-2	0.089	33.
		Methyl ethyl ketone	78-93-3	0.28	36.
		Methyl isobutyl ketone	108-10-1	0.14	33.
		Nitrobenzene	98-95-3	0.068	14.
		Pyridine	110-86-1	0.014	16.
		Tetrachloroethylene	127-18-4	0.056	5.6
		Toluene	108-88-3	0.08	28.
		1,1,1-Trichloroethane	71-55-6	0.054	5.6
		1,1,2-Trichloroethane	79-00-5	0.030	a 7.6
		Trichloroethylene	79-01-6	0.054	5.6
		1,1,2-Trichloro-1,2,2-trifluoromethane	76-13-1	0.057	28.
		Trichloromono-fluoromethane	75-69-4	0.02	33.
		Xylenes (total)		0.32	28.
~~F001-F005 spent solvents (Pharmaceutical industry wastewater subcategory)~~					
		~~Methylene chloride~~	~~75-09-2~~	~~0.44~~	~~NA~~
F006	Table A	Cyanides (Total)	57-12-5	1.2	590.

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		Cyanides (Amenable)	57-12-5	0.86	30.
		Cadmium	7440-43-9	1.6	NA
		Chromium	7440-47-32	0.32	NA
		Lead	7439-92-1	0.040	NA
		Nickel	7440-02-2	0.44	NA
F007	Table A	Cyanides (Total)	57-12-5	1.9	590.
		Cyanides (Amenable)	57-12-5	0.1	30.
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-2	0.44	NA
F008	Table A	Cyanides (Total)	57-12-5	1.9	590.
		Cyanides (Amenable)	57-12-5	0.13	30.
		Chromium	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-2	0.44	NA
F009	Table A	Cyanides (Total)	57-12-5	1.95	90.
		Cyanides (Amenable)	57-12-5	0.1	30.
		Chromium	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-2	0.44	NA
F010		Cyanides (Total)	57-12-5	1.9	1.5
		Cyanides (Amenable)	57-12-5	0.1	NA
F011	Table A	Cyanides (Total)	57-12-5	1.9	110.
		Cyanides (Amenable)	57-12-5	0.1	9.1
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-2	0.44	NA
F012	Table A	Cyanides (Total)	57-12-5	1.9	110.
		Cyanides (Amenable)	57-12-5	0.1	9.1
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-2	0.44	NA
F019	Table A	Cyanides (Total)	57-12-5	1.2	R 590.
		Cyanides (Amenable)	57-12-5	0.86	R 30.
		Chromium (Total)	7440-47-32	0.32	NA
F024	(Note: F024 organic standards must be treated via incineration (INCIN))				
	Tables A & D	2-Chloro-1,3-butadiene	126-99-8	a 0.28	a 0.28
		3-Chloropropene	107-05-1	a 0.28	a 0.28
		1,1-Dichloroethane	75-34-3	a 0.014	a 0.014
		1,2-Dichloroethane	107-06-2	a 0.014	a 0.014
		1,2-Dichloropropane	78-87-5	a 0.014	a 0.014
		cis-1,3-Dichloropropene	10061-01-5	a 0.014	a 0.014
		trans-1,3-Dichloropropene	10061-02-6	a 0.014	a 0.014
		Bis(2-ethylhexyl)phthalate	117-81-7	a 0.036	a 1.8
		Hexachloroethane	67-72-1	a 0.036	a 1.8
		Chromium (Total)	7440-47-32	0.35	NA
		Nickel	7440-02-2	0.47	NA

F025 (Light ends subcategory)

	Chloroform	67-63-3	s 0.046	a 6.2
	1,2-Dichloroethane	107-06-2	s 0.21	a 6.2
	1,1-Dichloroethylene	75-35-4	s 0.025	a 6.2
	Methylene chloride	75-9-2	s 0.089	a 31.
	Carbon tetrachloride	56-23-5	s 0.057	a 6.2
	1,1,2-Trichloroethane	79-00-5	s 0.054	a 6.2
	Trichloroethylene	79-01-6	s 0.054	s 5.6
	Vinyl chloride	75-01-4	s 0.27	a 33.
F025 (Spent filters/aids and desiccants subcategory)				
	Chloroform	67-66-3	s 0.046	a 6.2
	Methylene chloride	75-9-2	s 0.089	a 31.
	Carbon tetrachloride	56-23-5	s 0.057	a 6.2
	1,1,2-Trichloroethane	79-00-5	s 0.054	a 6.2
	Trichloroethylene	79-01-6	s 0.054	s 5.6
	Vinyl chloride	75-01-4	s 0.27	a 33.
	Hexachlorobenzene	118-74-1	s 0.055	a 37.
	Hexachlorobutadiene	87-68-3	s 0.055	a 28.
	Hexachloroethane	67-72-1	s 0.055	a 30.
F037 Table A	Acenaphthene	208-96-8	s 0.059	NA
	Anthracene	120-12-7	s 0.059	a 28.
	Benzene	71-43-2	s 0.14	a 14.
	Benzo(a)anthracene	50-32-8	s 0.059	a 20.
	Benzo(a)pyrene	117-81-7	s 0.061	a 12.
	Bis(2-ethylhexyl) phthalate	75-15-0	s 0.28	a 7.3
	Chrysene	218-01-9	s 0.059	a 15.
	Di-n-butyl phthalate	105-67-9	s 0.057	a 3.6
	Ethylbenzene	100-41-4	s 0.057	a 14.
	Fluorene	86-73-7	s 0.059	NA
	Naphthalene	91-20-3	s 0.059	a 42.
	Phenanthrene	85-01-8	s 0.059	a 34.
	Phenol	108-95-2	s 0.039	a 3.6
	Pyrene	129-00-0	s 0.067	a 36.
	Toluene	108-88-3	s 0.08	a 14.
	Xylene(s)		s 0.32	a 22.
	Cyanides (Total)	57-12-5	a 0.028	a 1.8
	Chromium (Total)	7440-47-32	0.2	NA
	Lead	7439-92-1	0.037	NA
F038	Benzene	71-43-2	s 0.14	a 14.
	Benzo(a)pyrene	50-32-8	s 0.061	a 12.
	Bis(2-ethylhexyl) phthalate	117-81-7	s 0.28	a 7.3
	Chrysene	218-01-9	s 0.059	a 15.
	Di-n-butyl phthalate	84-74-2	s 0.057	a 3.6
	Ethylbenzene	100-41-4	s 0.057	a 14.
	Fluorene	86-73-7	s 0.059	NA
	Naphthalene	91-20-3	s 0.059	a 42.
	Phenanthrene	85-01-8	s 0.059	a 34.
	Phenol	108-95-2	s 0.039	a 3.6
	Pyrene	129-00-0	s 0.067	a 36.
	Toluene	108-88-3	s 0.080	a 14.
	Xylene(s)		s 0.32	a 22.
	Cyanides (Total)	57-12-5	a 0.028	a 1.8
	Chromium (Total)	7440-47-32	0.2	NA
	Lead	7439-92-1	0.037	NA

F039 (and D001 and D002 wastes prohibited under Section 728.137)

~~F039~~ Tables A & D	Acetone	67-64-1	s 0.28	a 160.
	Acenaphthalene	208-96-8	s 0.059	a 3.4
	Acenaphthene	83-32-9	s 0.059	a 4.0
	Acetonitrile	75-05-8	s 0.17	NA
	Acetophenone	96-86-2	s 0.010	a 9.7
	2-Acetylaminofluorene	53-96-3	s 0.059	a 140.
	Acrylonitrile	107-13-1	s 0.24	a 84.
	Aldrin	309-00-2	s 0.021	a 0.068
	4-Aminobiphenyl	92-67-1	s 0.13	NA
	Aniline	62-53-3	s 0.81	a 14.
	Anthracene	120-12-7	s 0.059	a 4.0
	Aroclor 1016	12674-11-2	s 0.013	a 0.92
	Aroclor 1221	11104-28-2	s 0.014	a 0.92
	Aroclor 1232	11141-16-5	s 0.013	a 0.92
	Aroclor 1242	53469-21-9	s 0.017	a 0.92
	Aroclor 1248	12672-29-6	s 0.013	a 0.92
	Aroclor 1254	11097-69-1	s 0.014	a 1.8
	Aroclor 1260	11096-82-5	s 0.014	a 1.8
	alpha-BHC	319-84-6	s 0.00014	a 0.066
	beta-BHC	319-85-7	s 0.00014	a 0.066
	delta-BHC	319-86-8	s 0.023	a 0.066
	gamma-BHC	58-89-9	s 0.0017	a 0.066
	Benzene	71-43-2	s 0.14	a 36.
	Benzo(a)anthracene	56-55-3	s 0.059	a 8.2
	Benzo(b)fluoranthene	205-99-2	s 0.055	a 3.4
	Benzo(k)fluoranthene	207-08-9	s 0.059	a 3.4
	Benzo(g,h,i)perylene	191-24-2	s 0.0055	a 1.5
	Benzo(a)pyrene	50-32-8	s 0.061	a 8.2
	Bromodichloromethane	75-27-4	s 0.35	a 15.
	Bromoform	75-25-2	s 0.63	a 15.
	Bromomethane (methyl bromide)	74-63-9	s 0.11	a 15.
	4-Bromophenyl phenyl ether	101-55-3	s 0.055	a 15.
	n-Butyl alcohol	71-36-3	s 5.6	a 2.6
	Butyl benzyl phthalate	85-68-7	s 0.017	a 7.9
	2-sec-Butyl-4,6-dinitro-phenol	88-85-7	s 0.066	a 2.5
	Carbon tetrachloride	56-23-5	s 0.057	a 5.6
	Carbon disulfide	75-15-0	s 0.014	NA
	Chlordane	57-74-9	s 0.0033	a 0.13
	p-Chloroaniline	106-47-8	s 0.46	a 16.
	Chlorobenzene	108-90-7	s 0.057	a 5.7
	Chlorobenzilate	510-15-6	s 0.10	NA
	Chlorodibromomethane	124-48-1	s 0.057	a 16.
	Chloroethane	75-00-3	s 0.27	a 6.0
	bis(2-Chloroethoxy)methane	111-91-1	s 0.036	a 7.2
	bis(2-Chloroethyl) ether	111-44-4	s 0.033	a 7.2
	2-Chloroethyl vinyl ether		s 0.057	NA
	Chloroform	67-66-3	s 0.046	a 5.6
	bis(2-Chloroisopropyl) ether	39638-32-9	s 0.055	a 7.2
	p-Chloro-m-cresol	59-50-7	s 0.018	a 14.
	Chloromethane (Methyl chloride)	74-87-3	s 0.19	a 33.
	2-Chloronaphthalene	91-8-7	s 0.055	a 5.6
	2-Chlorophenol	95-57-8	s 0.044	a 5.7

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3-Chloropropene	107-05-1	s 0.036	a 28.
Chrysene	218-01-9	s 0.059	a 8.2
o-Cresol	95-48-7	s 0.11	a 5.6
Cresol (m- and p-isomers)		s 0.77	a 3.2
Cyclohexanone	108-94-1	s 0.36	NA
1,2-Dibromo-3-chloro-propane	96-12-8	s 0.11	a 15.
1,2-Dibromoethane (Ethylene dibromide)	106-93-4	s 0.028	a 15.
Dibromomethane	74-95-3	s 0.11	a 15.
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	s 0.72	a 10.
o,p'-DDD	53-19-0	s 0.023	a 0.087
p,p'-DDD	72-54-8	s 0.023	a 0.087
o,p'-DDE	3424-82-6	s 0.031	a 0.087
p,p'-DDE	72-55-9	s 0.031	a 0.087
o,p'-DDT	789-02-6	s 0.0039	a 0.087
p,p'-DDT	50-29-3	s 0.0039	a 0.087
Dibenzo(a,h)anthracene	53-70-3	s 0.055	a 8.2
m-Dichlorobenzene	541-73-1	s 0.036	a 6.2
o-Dichlorobenzene	95-50-1	s 0.088	a 6.2
p-Dichlorobenzene	106-46-7	s 0.090	a 6.2
Dichlorodifluoromethane	75-71-8	s 0.23	a 7.2
1,1-Dichloroethane	75-34-3	s 0.059	a 7.2
1,2-Dichloroethane	107-06-2	s 0.21	a 7.2
1,1-Dichloroethylene	75-35-4	s 0.025	a 33.
trans-1,2-Dichloroethene		s 0.054	a 33.
2,4-Dichlorophenol	120-83-2	s 0.044	a 14.
2,6-Dichlorophenol	87-65-0	s 0.044	a 14.
1,2-Dichloropropane	78-87-5	s 0.85	a 18.
cis-1,3-Dichloropropene	10061-01-5	s 0.036	a 18.
trans-1,3-Dichloropropene	10061-02-6	s 0.036	a 18.
Dieldrin	60-57-1	s 0.017	a 0.13
Diethyl phthalate	84-66-2	s 0.20	a 28.
p-Dimethylaminoazobenzene	60-11-3	s 0.13	NA
2,4-Dimethyl phenol	105-67-9	s 0.036	a 14.
Dimethyl phthalate	131-11-3	s 0.047	a 28.
Di-n-butyl phthalate	84-74-2	s 0.057	a 28.
1,4-Dinitrobenzene	100-25-4	s 0.32	a 2.3
4,6-Dinitro-o-cresol	534-52-1	s 0.28	a 160.
2,4-Dinitrophenol	51-28-5	s 0.12	a 160.
2,4-Dinitrotoluene	121-14-2	s 0.32	a 140.
2,6-Dinitrotoluene	606-20-2	s 0.55	a 28.
Di-n-octyl phthalate	117-84-0	s 0.017	a 28.
Di-n-propylnitrosoamine	621-64-7	s 0.40	a 14.
1,2-Diphenyl hydrazine		s 0.087	NA
1,4-Dioxane	123-91-1	s 0.12	a 170.
Disulfoton	298-04-4	s 0.017	a 6.2
Endosulfan I	939-98-8	s 0.023	a 0.066
Endosulfan II	33213-6-5	s 0.029	a 0.13
Endosulfan sulfate	1031-07-8	s 0.029	a 0.13
Endrin	7-20-8	s 0.0028	a 0.13
Endrin aldehyde	7421-93-4	s 0.025	a 0.13
Ethyl acetate	141-78-6	s 0.34	a 33.
Ethyl cyanide		s 0.24	NA
Ethyl benzene	100-41-4	s 0.057	a 6.0
Ethyl ether	60-29-7	s 0.12	a 160.

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bis(2-Ethylhexyl) phthalate	117-81-7	s 0.28	a 28.
Ethyl methacrylate	97-63-2	s 0.14	a 160.
Ethylene oxide	75-21-8	s 0.12	NA
Famphur	52-85-7	s 0.017	a 15.
Fluoranthene	206-44-0	s 0.068	a 8.2
Fluorene	86-73-7	s 0.059	a 4.0
Fluorotrichloromethane	75-69-4	s 0.020	a 33.
Heptachlor	76-44-8	s 0.0012	a 0.066
Heptachlor epoxide	1024-57-3	s 0.016	a 0.066
Hexachlorobenzene	118-74-1	s 0.055	a 37.
Hexachlorobutadiene	87-68-3	s 0.055	a 28.
Hexachlorocyclopentadiene	77-47-4	s 0.057	a 3.6
Hexachlorodibenzofurans		s 0.000063	a 0.001
Hexachlorodibenzo-p-dioxins		s 0.000063	a 0.001
Hexachloroethane	67-72-1	s 0.055	a 28.
Hexachloropropene	1888-71-7	s 0.035	a 28.
Indeno(1,2,3,-c,d)pyrene	193-39-5	s 0.0055	a 8.2
Iodomethane	74-88-4	s 0.019	a 65.
Isobutanol	78-83-1	s 5.6	a 170.
Isodrin	465-73-6	s 0.021	a 0.066
Isosafrole	120-58-1	s 0.081	a 2.6
Kepone	143-50-8	s 0.0011	a 0.13
Methacrylonitrile	126-98-7	s 0.24	a 84.
Methapyrilene	91-80-5	s 0.081	a 1.5
Methoxychlor	72-43-5	s 0.25	a 0.18
3-Methylcholanthrene	56-49-5	s 0.0055	a 15.
4,4-Methylene-bis-(2-chloroaniline)	101-14-4	s 0.50	a 35.
Methylene chloride	75-09-2	s 0.089	a 33.
Methyl ethyl ketone	78-93-3	s 0.28	a 36.
Methyl isobutyl ketone	108-10-1	s 0.14	a 33.
Methyl methacrylate	80-62-6	s 0.14	a 160.
Methyl methansulfonate		s 0.018	NA
Methyl parathion	298-00-1	s 0.014	a 4.6
Naphthalene	91-20-3	s 0.059	a 3.1
2-Naphtylamine	91-59-8	s 0.52	NA
p-Nitroaniline	100-01-6	s 0.028	a 28.
Nitrobenzene	98-95-3	s 0.068	a 14.
5-Nitro-o-toluidine	99-55-8	s 0.32	a 28.
4-Nitrophenol	100-02-7	s 0.12	a 29.
N-Nitrosodiethylamine	55-18-5	s 0.40	a 28.
N-Nitrosodimethylamine	62-75-9	s 0.40	NA
N-Nitroso-di-n-butylamine	924-16-3	s 0.40	a 17.
N-Nitrosomethylethylamine	105-95-6	s 0.40	a 2.3
N-Nitrosomorpholine	59-89-2	s 0.40	a 2.3
N-Nitrosopiperidine	100-75-4	s 0.013	a 35.
N-Nitrosopyrrolidine	930-55-2	s 0.013	a 35.
Parathion	56-38-2	s 0.017	a 4.6
Pentachlorobenzene	608-93-5	s 0.055	a 37.
Pentachlorodibenzo-furans		s 0.000035	a 0.001
Pentachlorodibenzo-p-dioxins		s 0.000063	a 0.001
Pentachloronitrobenzene	82-68-8	s 0.055	a 4.8
Pentachlorophenol	87-86-5	s 0.089	a 7.4
Phenacetin	62-44-2	s 0.081	a 16.
Phenanthrene	85-01-8	s 0.059	a 3.1

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K002	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4		NA
K003	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4		NA
K004	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4		NA
K005	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4		NA
		Cyanides (Total)	57-12-5	s 0.74	R	
K006	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4		NA
K007	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4	R	NA
		Cyanides (Total)	57-12-5	s 0.74		
K008	Table A	Chromium (Total)	7440-47-32	s 2.9		NA
		Lead	7439-92-1	s 3.4		NA
K009		Chloroform	67-66-3	0.1		a 6.0
K010		Chloroform	67-66-3	0.1		6.0
K011		Acetonitrile	75-05-8	38.		1.8
		Acrylonitrile	107-13-1	0.06		1.4
		Acrylamide	79-06-1	19.		23.
		Benzene	71-43-2	0.02		0.03
		Cyanide (Total)	57-12-5	21.		57.
K013		Acetonitrile	75-05-8	38.		a 1.8
		Acrylonitrile	107-13-1	0.06		a 1.4
		Acrylamide	79-06-1	19.		a 23.
		Benzene	71-43-2	0.02		a 0.03
		Cyanide (Total)	57-12-5	21.		57.
K014		Acetonitrile	75-05-8	38.		a 1.8
		Acrylonitrile	107-13-1	0.06		a 1.4
		Acrylamide	79-06-1	19.		a 23.
		Benzene	71-43-2	0.02		a 0.03
		Cyanide (Total)	57-12-5	21.		57.
~~K015~~	~~Table A~~	~~Anthracene~~	~~120-12-7~~	~~1.0a~~		~~3.4~~
		~~Benzal chloride~~	~~98-87-3~~	~~0.28~~		~~a 6.2~~
		~~Sum of Benzo(b)fluoranthene and Benzo(k)fluoranthene~~	~~205-99-2~~ ~~207-08-9~~	~~0.029~~		~~3.4~~
		~~Phenanthrene~~	~~85-01-8~~	~~0.27~~		~~a 3.4~~
		~~Toluene~~	~~108-88-3~~	~~0.15~~		~~a 6.0~~
		~~Chromium (Total)~~	~~7440-47-32~~	~~0.32~~		~~NA~~
		~~Nickel~~	~~7440-02-2~~	~~0.44~~		~~NA~~
K015		Anthracene	120-12-7	0.059		a 3.4
		Benzal Chloride	98-87-3	0.28		a 6.2

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		Sum of Benzo(b)fluoranthene and Benzo(k)fluoranthene	207-08-9	0.055	3.4
		Phenanthrene	85-01-8	0.059	a 3.4
		Toluene	108-88-3	0.08	a 6.0
		Chromium (Total)	7440-47-32	0.32	NA
		Nickel	7440-02-0	0.44	NA
~~K016~~		~~Hexachlorobenzene~~	~~118-74-1~~	~~a 0.033~~	~~a 28.~~
		~~Hexachlorobutadiene~~	~~87-68-3~~	~~a 0.007~~	~~a 5.8~~
		~~Hexachlorocyclopentadiene~~	~~77-47-4~~	~~a 0.007~~	~~a 5.6~~
		~~Hexachloroethane~~	~~67-72-1~~	~~a 0.033~~	~~a 28.~~
		~~Tetrachloroethene~~	~~127-18-4~~	~~a 0.007~~	~~a 6.0~~
K016		Hexachlorobenzene	118-74-1	0.055	a 28.
		Hexachlorobutadiene	87-68-3	0.055	a 5.6
		Hexachlorocyclopentadiene	77-47-4	0.057	a 5.6
		Hexachloroethane	67-72-1	0.055	a 28.
		Tetrachloroethene	127-18-4	0.056	a 6.0
K017		1,2-Dichloropropane	78-87-5	s a 0.85	a 28.
		1,2,3-Trichloropropane	96-18-4	s a 0.85	a 28.
		Bis(2-chloroethyl)ether	111-44-4	s a 0.033	a 7.2
~~K018~~		~~Chloroethane~~	~~75-00-3~~	~~a 0.007~~	~~a 6.0~~
		~~1,1-Dichloroethane~~	~~75-34-3~~	~~a 0.007~~	~~a 6.0~~
		~~1,2-Dichloroethane~~	~~107-06-2~~	~~a 0.007~~	~~a 6.0~~
		~~Hexachlorobutadiene~~	~~87-68-3~~	~~a 0.033~~	~~a 5.6~~
		~~Hexachloroethane~~	~~67-72-1~~	~~a 0.007~~	~~a 28.~~
		~~Pentachloroethane~~	~~76-01-7~~	~~a 0.007~~	~~a 5.6~~
		~~1,1,1-Trichloroethane~~	~~71-55-6~~	~~a 0.007~~	~~a 6.0~~
K018		Chloroethane	76-00-3	0.27	a 6.0
		Chloromethane	74-87-3	0.19	NA
		1,1-Dichloroethane	75-34-3	0.059	a 6.0
		1,2-Dichloroethane	107-06-2	0.21	a 6.0
		Hexachlorobenzene	118-74-1	0.055	a 28.
		Hexachlorobutadiene	87-68-3	0.055	a 5.6
		Pentachloroethane	76-01-7	NA	5.6
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
		Hexachloroethane	67-72-1	0.055	a 28.
~~K019~~		~~Bis(2-chloroethyl)ether~~	~~111-44-4~~	~~a 0.007~~	~~a 5.6~~
		~~Chlorobenzene~~	~~108-90-7~~	~~a 0.006~~	~~a 6.0~~
		~~Chloroform~~	~~67-66-3~~	~~a 0.006~~	~~a 6.0~~
		~~p-Dichlorobenzene~~	~~106-46-7~~	~~a 0.006~~	~~NA~~
		~~1,2-Dichloroethane~~	~~107-06-2~~	~~a 0.008~~	~~NA~~
		~~Fluorene~~	~~86-73-7~~	~~a 0.007~~	~~NA~~
		~~Hexachloroethane~~	~~67-72-1~~	~~a 0.033~~	~~a 28.~~
		~~Naphthalene~~	~~91-20-3~~	~~a 0.007~~	~~a 5.6~~
		~~Phenanthrene~~	~~85-01-8~~	~~a 0.007~~	~~a 5.6~~
		~~1,2,4,5-Tetrachlorobenzene~~	~~95-94-3~~	~~a 0.017~~	~~NA~~
		~~Tetrachloroethene~~	~~127-18-4~~	~~a 0.007~~	~~a 6.0~~
		~~1,2,4-Trichlorobenzene~~	~~120-82-1~~	~~a 0.023~~	~~a 19.~~
		~~1,1,1-Trichloroethane~~	~~71-55-6~~	~~a 0.007~~	~~a 6.0~~
K019		Bis(2-chloroethyl) ether	111-44-4	0.033	a 5.6
		Chlorobenzene	108-90-7	0.057	a 6.0

		Chloroform	67-66-3	0.046	a 6.0
		p-Dichlorobenzene	106-46-7	0.09	NA
		1,2-Dichloroethane	107-06-2	0.21	a 6.0
		Fluorene	86-73-7	0.059	NA
		Hexachloroethane	67-72-1	0.055	a 28.
		Naphthalene	91-20-3	0.059	a 5.6
		Phenanthrene	85-01-8	0.059	a 5.6
		1,2,4,5- Tetrachlor-obenzene	95-94-3	0.055	NA
		Tetrachloroethene	127-18-4	0.056	a 6.0
		1,2,4-Trichlorobenzene	120-82-1	0.055	a 19.
		1,1,1-Trichloroethane	71-55-6	0.054	a 6.0
~~K020~~		~~1,2-Dichloroethane~~	~~107-06-2~~	~~a 0.007~~	~~a 6.0~~
		~~1,1,2,2-Tetrachloroethane~~	~~79-34-6~~	~~a 0.007~~	~~a 5.6~~
		~~Tetrachloroethene~~	~~127-18-4~~	~~a 0.007~~	~~a 6.0~~
K020		1,2-Dichloroethane	106-93-4	0.21	a 6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	a 5.6
		Tetrachloroethene	127-18-4	0.056	a 6.0
K021	Table A	Chloroform	67-66-3	s 0.046	a 6.2
		Carbon tetrachloride	58-23-5	s 0.057	a 6.2
		Antimony	58-23-5	s 0.057	a 6.2
K022	Table A	Toluene	108-88-3	s 0.060	a 0.034
		Acetophenone	96-86-2	0.010	a 19.
		Diphenylamine	22-39-4	s 0.52	NA
		Diphenylnitrosamine	86-30-6	s 0.40	NA
		Sum of Diphenylamine and Diphenylnitrosamine		NA	a 13.
		Phenol	108-95-2	0.039	a 12.
		Chromium (Total)	7440-47-32	0.35	NA
		Nickel	7440-02-0	0.47	NA
~~K023~~		~~Phthalic anhydride (measured as Phthalic acid)~~	~~85-44-9~~	~~a 0.54~~	~~a 28.~~
K023		Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.069	a 28
~~K024~~		~~Phthalic anhydride (measured as Phthalic acid)~~	~~85-44-9~~	~~a 0.54~~	~~a 28.~~
K024		Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.069	a 28
~~K028~~	~~Table A~~	~~1,1-Dichloroethane~~	~~75-34-3~~	~~a 0.007~~	~~a 6.0~~
		~~trans-1,2-Dichloroethene~~		~~a 0.033~~	~~a 6.0~~
		~~Hexachlorobutadiene~~	~~87-68-3~~	~~a 0.007~~	~~a 5.6~~
		~~Hexachloroethane~~	~~67-72-1~~	~~a 0.033~~	~~a 28.~~
		~~Pentachloroethane~~	~~76-01-7~~	~~a 0.033~~	~~a 5.6~~
		~~1,1,1,2-Tetrachloroethane~~	~~630-20-6~~	~~a 0.007~~	~~a 5.6~~
		~~1,1,2,2-Tetrachloroethane~~	~~79-34-6~~	~~a 0.007~~	~~a 5.6~~
		~~1,1,1-Trichloroethane~~	~~71-55-6~~	~~a 0.007~~	~~a 6.0~~
		~~1,1,2-Trichloroethane~~	~~79-00-5~~	~~a 0.007~~	~~a 6.0~~

		~~Tetrachloroethylene~~	~~127-18-4~~	~~a 0.007~~	~~a 6.0~~
		~~Cadmium~~	~~7440-43-9~~	~~6.4~~	~~NA~~
		~~Chromium (Total)~~	~~7440-47-32~~	~~0.35~~	~~NA~~
		~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~
		~~Nickel~~	~~7440-02-2~~	~~0.47~~	~~NA~~
K028		1,1-Dichloroethane trans-1,2-Dichloroethane	75-34-3	0.059	a 6.0
				0.054	a 6.0
		Hexachlorobutadiene	87-68-3	0.055	a 5.6
		Hexachloroethane	67-72-1	0.055	a 28.
		Pentachloroethane	76-01-7	NA	a 5.6
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	a 5.6
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	a 5.6
		1,1,1,-Trichloroethane	71-55-6	0.054	a 6.0
		1,1,2-Trichloroethane	79-00-5	0.054	a 6.0
		Tetrachloroethylene	127-18-4	0.056	a 6.0
		Cadmium	7440-43-9	6.4	NA
		Chromium (Total)	7440-47-32	0.35	NA
		Lead	7439-92-1	0.037	NA
		Nickel	7440-02-0	0.47	NA
K029		Chloroform	67-66-3	0.46	a 6.0
		1,2-Dichloroethane	107-06-2	0.21	a 6.0
		1,1-Dichloroethylene	75-35-4	0.025	a 6.0
		1,1,1-Trichloroethane	71-55-6	0.054	a 6.0
		Vinyl chloride	75-01-4	0.27	a 6.0
~~K030~~		~~o-Dichlorobenzene~~	~~95-50-1~~	~~a 0.008~~	~~NA~~
		~~p-Dichlorobenzene~~	~~106-46-7~~	~~a 0.006~~	~~NA~~
		~~Hexachlorobutadiene~~	~~87-68-3~~	~~a 0.007~~	~~a 5.6~~
		~~Hexachloroethane~~	~~67-72-1~~	~~a 0.033~~	~~a 28.~~
		~~Hexachloropropene~~	~~1888-71-7~~	~~NA~~	~~a 19.~~
		~~Pentachlorobenzene~~	~~608-93-5~~	~~NA~~	~~a 28.~~
		~~Pentachloroethane~~	~~76-01-7~~	~~a 0.007~~	~~a 5.6~~
		~~1,2,4,5-Tetrachlorobenzene~~	~~95-94-3~~	~~a 0.017~~	~~a 14.~~
		~~Tetrachloroethane~~	~~127-18-4~~	~~a 0.007~~	~~a 6.0~~
		~~1,2,4-Trichlorobenzene~~	~~120-82-1~~	~~a 0.023~~	~~a 19.~~
K030		o-Dichlorobenzene	95-50-1	0.088	NA
		p-Dichlorobenzene	106-46-7	0.09	NA
		Hexachlorobutadiene	87-68-3	0.055	a 5.6
		Hexachloroethane	67-72-1	0.055	a 28.
		Hexachloropropene	1888-71-7	NA	a 19.
		Pentachlorobenzene	608-93-5	NA	a 28.
		Pentachloroethane	76-01-7	NA	a 5.6
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	a 14.
		Tetrachloroethene	127-18-4	0.056	a 6.0
		1,2,4-Trichlorobenzene	120-82-1	0.055	a 19.
K031	Table A	Arsenic	7440-38-2	0.79	NA
K032		Hexachlorocyclopentadiene	77-47-4	s 0.057	a 24.
		Chlordane	57-74-9	s 0.0033	a 0.26
		Heptachlor	76-44-B	s 0.012	a 0.066
		Heptachlor epoxide	1024-57-3	s 0.016	a 0.066
K033		Hexachlorocyclopentadiene	77-47-4	s 0.057	a 2.4

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K034	Hexachlorocyclopentadiene	77-47-4	s 0.057	a 2.4
K035	Acenaphthene	83-32-9	NA	a 3.4
	Anthracene	120-12-7	NA	a 3.4
	Benz(a)anthracene	56-55-3	s 0.59	a 3.4
	Benzo(a)pyrene	50-32-8	NA	a 3.4
	Chrysene	218-01-9	s 0.059	a 3.4
	Dibenz(a,h)anthracene	53-70-3	NA	a 3.4
	Fluoranthene	206-44-0	s 0.068	a 3.4
	Fluorene	86-73-7	NA	a 3.4
	Indeno(1,2,3-cd)pyrene	193-39-5	NA	a 3.4
	Cresols (m- and p-isomers)		s 0.77	NA
	Naphthalene	91-20-3	s 0.059	a 3.4
	o-Cresol	95-48-7	s 0.11	NA
	Phenanthrene	85-01-8	s 0.059	a 3.4
	Phenol	108-95-2	0.039	NA
	Pyrene	129-00-0	s 0.067	a 8.2
K036	Disulfoton	298-04-4	s 0.025	a 0.1
K037	Disulfoton	298-04-4	s 0.025	a 0.1
	Toluene	108-88-3	s 0.080	a 28.
K038	Phorate	298-02-2	0.025	a 0.1
K040	Phorate	298-02-2	0.025	a 0.1
K041	Toxaphene	8001-35-1	s 0.0095	a 2.6
K042	1,2,4,5-Tetrachlorobenzene	95-94-3	s 0.055	a 4.4
	o-Dichlorobenzene	95-50-1	s 0.088	a 4.4
	p-Dichlorobenzene	106-46-7	s 0.090	a 4.4
	Pentachlorobenzene	808-93-5	s 0.055	a 4.4
	1,2,4-Trichlorobenzene	120-82-1	s 0.055	a 4.4
~~K043~~	~~2,4-Dichlorophenol~~	~~120-83-2~~	~~a 0.049~~	~~a 0.38~~
	~~2,6-Dichlorophenol~~	~~87-65-0~~	~~a 0.013~~	~~a 0.3~~
	~~2,4,5-Trichlorophenol~~	~~95-95-4~~	~~a 0.016~~	~~a 8.2~~
	~~2,4,6-Trichlorophenol~~	~~88-06-2~~	~~a 0.039~~	~~a 7.8~~
	~~Tetrachlorophenols (Total)~~		~~a 0.018~~	~~a 0.68~~
	~~Pentachlorophenol~~	~~87-86-5~~	~~a 0.22~~	~~a 1.9~~
	~~Tetrachloroethene~~	~~79-01-6~~	~~a 0.006~~	~~a 1.7~~
	~~Hexachlorodibenzo-p-dioxins~~		~~a 0.001~~	~~a 0.001~~
	~~Hexachlorodibenzo-furans~~		~~a 0.001~~	~~a 0.001~~
	~~Pentachlorodibenzo-p-dioxins~~		~~a 0.001~~	~~a 0.001~~
	~~Pentachlorodibenzo-furans~~		~~a 0.001~~	~~a 0.001~~
	~~Tetrachlorodibenzo-p-dioxins~~		~~a 0.001~~	~~a 0.001~~
	~~Tetrachlorodibenzo-furans~~		~~a 0.001~~	~~a 0.001~~
K043	2,4-Dichlorophenol	120-83-2	0.044	a 0.38
	2,6-Dichloropheno	187-65-0	0.044	a 0.34
	2,4,5-Trichlorophenol	95-95-4	0.18	a 8.2
	2,4,6-Trichlorophenol	88-06-2	0.035	a 7.6
	Tetrachlorophenols (Total)		NA	a 0.68
	Pentachlorophenol	87-86-5	0.089	a 1.9

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		Tetrachloroethene	79-01-6	0.056	a 1.7
		Hexachlorodibenzo-p-dioxins		0.000063	a 0.001
		Hexachlorodibenzofurans		0.000063	a 0.001
		Pentachlorodibenzo-p-dioxins		0.000063	a 0.001
		Pentachlorodibenzo furans		0.000063	a 0.001
		Tetrachlorodibenzo-p-dioxins		0.000063	a 0.001
		Tetrachlorodibenzo furans		0.000063	a 0.001
K046	Table A	Lead	7439-92-1	0.037	NA
~~K048~~	~~Table A~~	~~Benzene~~	~~71-43-2~~	~~a 0.011~~	~~a 14.~~
		~~Benzo(a)pyrene~~	~~50-32-8~~	~~a 0.047~~	~~a 12.~~
		~~Bis(2-ethylhexyl)phthalate~~	~~117-81-7~~	~~a 0.043~~	~~a 7.3~~
		~~Chrysene~~	~~218-01-9~~	~~a 0.043~~	~~a 15.~~
		~~Di-n-butyl phthalate~~	~~84-74-2~~	~~a 0.06~~	~~a 3.6~~
		~~Ethylbenzene~~	~~100-41-4~~	~~a 0.011~~	~~a 14.~~
		~~Fluorene~~	~~86-73-7~~	~~a 0.05~~	~~NA~~
		~~Naphthalene~~	~~91-20-3~~	~~a 0.033~~	~~a 42.~~
		~~Phenanthrene~~	~~85-01-8~~	~~a 0.039~~	~~a 34.~~
		~~Phenol~~	~~108-95-2~~	~~a 0.047~~	~~a 3.6~~
		~~Pyrene~~	~~129-00-0~~	~~a 0.045~~	~~a 36.~~
		~~Toluene~~	~~108-88-3~~	~~a 0.011~~	~~a 14.~~
		~~Xylene(s)~~		~~a 0.011~~	~~a 22.~~
		~~Cyanides (Total)~~	~~57-12-5~~	~~a 0.028~~	~~a 1.8~~
		~~Chromium (Total)~~	~~7440-47-32~~	~~0.2~~	~~NA~~
		~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~
K048		Benzene	71-43-2	s 0.14	a 14.
		Benzo(a)pyrene	50-32-8	s 0.061	a 12.
		Bis(2-ethylhexyl) phthalate	117-81-7	s 0.28	a 7.3
		Chrysene	218-01-9	s 0.059	a 15.
		Di-n-butylphthalate	84-74-2	s 0.057	a 3.6
		Ethylbenzene	100-41-4	s 0.057	a 14.
		Fluorene	86-73-7	s 0.059	NA
		Naphthalene	91-20-3	s 0.059	a 42.
		Phenanthrene	85-01-8	s 0.059	a 34.
		Phenol	108-95-2	s 0.039	a 3.6
		Pyrene	129-00-0	s 0.067	a 36.
		Toluene	108-88-3	s 0.080	a 14.
		Xylene(s)		s 0.32	a 22.
		Cyanides (Total)	57-12-5	a 0.028	a 1.8
		Chromium (Total)	7440-47-32	0.2	NA
		Lead	7439-92-1	0.037	NA
~~K049~~	~~Table A~~	~~Anthracene~~	~~120-12-7~~	~~a 0.039~~	~~a 28.~~
		~~Benzene~~	~~71-43-2~~	~~a 0.011~~	~~a 14.~~
		~~Benzo(a)pyrene~~	~~50-32-8~~	~~a 0.047~~	~~a 12.~~
		~~Bis(2-ethylhexyl)phthalate~~	~~117-81-7~~	~~a 0.043~~	~~a 7.3~~
		~~Carbon disulfide~~	~~75-15-0~~	~~a 0.011~~	~~NA~~
		~~Chrysene~~	~~218-01-9~~	~~a 0.043~~	~~a 15.~~
		~~2,4-Dimethylphenol~~	~~105-67-9~~	~~a 0.033~~	~~NA~~
		~~Ethylbenzene~~	~~100-41-4~~	~~a 0.011~~	~~a 14.~~
		~~Naphthalene~~	~~91-20-3~~	~~a 0.033~~	~~a 42.~~
		~~Phenanthrene~~	~~85-01-8~~	~~a 0.039~~	~~a 34.~~

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	~~Phenol~~	~~108-95-2~~	~~a 0.047~~	~~a 3.6~~
	~~Pyrene~~	~~129-00-0~~	~~a 0.045~~	~~a 36.~~
	~~Toluene~~	~~108-88-3~~	~~a 0.011~~	~~a 14.~~
	~~Xylene(s)~~		~~a 0.011~~	~~a 22.~~
	~~Cyanides (Total)~~	~~57-12-5~~	~~a 0.028~~	~~a 1.8~~
	~~Chromium (Total)~~	~~7440-47-32~~	~~0.2~~	~~NA~~
	~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~
K049	Anthracene	120-12-7	s 0.059	a 28.
	Benzene	71-43-2	s 0.14	a 14.
	Benzo(a)pyrene	117-81-7	s 0.061	a 12.
	Bis(2-ethylhexyl) phthalate	75-150-0	s 0.28	a 7.3
	Carbon disulfide	75-15-0	s 0.014	NA
	Chrysene	2218-01-9	s 0.059	a 15.
	2,4-Dimethyl phenol	105-67-9	s 0.036	NA
	Ethylbenzene	100-41-4	s 0.057	a 14.
	Naphthalene	91-20-3	s 0.059	a 42.
	Phenanthrene	85-01-8	s 0.059	a 34.
	Phenol	108-95-2	s 0.039	a 3.6
	Pyrene	129-00-0	s 0.067	a 36.
	Toluene	108-88-3	s 0.08	a 14.
	Xylene(s)		s 0.32	a 22.
	Cyanides (Total)	56-12-5	a 0.028	a 1.8
	Chromium (Total)	7440-47-32	0.2	NA
~~K050~~ ~~Table A~~	~~Benzo(a)pyrene~~	~~50-32-8~~	~~a 0.047~~	~~a 12.~~
	~~Phenol~~	~~108-95-2~~	~~a 0.047~~	~~a 3.6~~
	~~Cyanides (Total)~~	~~57-12-5~~	~~a 0.028~~	~~a 1.8~~
	~~Chromium (Total)~~	~~7440-47-32~~	~~0.2~~	~~NA~~
	~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~
K050	Lead	7439-92-1	0.037	NA
	Benzo(a)pyrene	50-32-8	s 0.061	a 12.
	Phenol	108-95-2	s 0.039	a 3.6
	Cyanides (Total)	57-12-5	a 0.028	a 1.8
	Chromium (Total)	7440-47-32	0.2	NA
	Lead	7439-29-1	0.037	NA
~~K051~~ ~~Table A~~	~~Acenaphthene~~	~~83-32-9~~	~~a 0.05~~	~~NA~~
	~~Anthracene~~	~~120-12-7~~	~~a 0.039~~	~~a 28.~~
	~~Benzene~~	~~71-43-2~~	~~a 0.011~~	~~a 14.~~
	~~Benzo(a)anthracene~~	~~50-32-8~~	~~a 0.043~~	~~a 20.~~
	~~Benzo(a)pyrene~~	~~50-32-8~~	~~a 0.047~~	~~a 12.~~
	~~Bis(2-ethylhexyl)phthalate~~	~~75-15-0~~	~~a 0.043~~	~~a 7.3~~
	~~Chrysene~~	~~218-01-9~~	~~a 0.043~~	~~a 15.~~
	~~Di-n-butyl phthalate~~	~~105-67-9~~	~~a 0.06~~	~~a 3.6~~
	~~Ethylbenzene~~	~~100-41-4~~	~~a 0.011~~	~~a 14.~~
	~~Fluorene~~	~~86-73-7~~	~~a 0.05a~~	~~NA~~
	~~Naphthalene~~	~~91-20-3~~	~~a 0.033~~	~~a 42.~~
	~~Phenanthrene~~	~~85-01-8~~	~~a 0.039~~	~~a 34.~~
	~~Phenol~~	~~108-95-2~~	~~a 0.047~~	~~a 3.6~~
	~~Pyrene~~	~~129-00-0~~	~~a 0.045~~	~~a 36.~~
	~~Toluene~~	~~108-88-3~~	~~a 0.011~~	~~a 14.~~
	~~Xylene(s)~~		~~a 0.011~~	~~a 22.~~
	~~Cyanides (Total)~~	~~57-12-5~~	~~a 0.028~~	~~a 1.8~~
	~~Chromium (Total)~~	~~7440-47-32~~	~~0.2~~	~~NA~~
	~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~

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K051	Acenaphthene	83-32-9	s 0.059	NA
	Anthracene	120-12-7	s 0.059	a 28.
	Benzene	71-43-2	s 0.14	a 14.
	Benzo(a) anthracene	50-32-8	s 0.059	a 20.
	Benzo(a)pyrene	117-81-7	s 0.061	a 12.
	Bis(2-ethylhexyl) phthalate	75-15-0	s 0.28	a 7.3
	Chrysene	2218-01-9	s 0.059	a 15.
	Di-n-butyl phthalate	105-67-9	s 0.057	a 3.6
	Ethylbenzene	100-41-4	s 0.057	a 14.
	Fluorene	86-73-7	s 0.059	NA
	Naphthalene	91-20-3	s 0.059	a 42.
	Phenanthrene	85-01-8	s 0.059	a 34.
	Phenol	108-95-2	s 0.039	a 3.6
	Pyrene	129-00-0	s 0.067	a 36.
	Toluene	108-88-3	s 0.08	a 14.
	Xylene(s)		s 0.32	a 22.
	Cyandides (Total)	57-12-5	a 0.028	a 1.8
	Chromium (Total)	7440-47-32	0.2	NA
	Lead	7439-29-1	0.037	NA
	Benzene	71-43-2	s 0.14	a 14.
	Benzo(a)pyrene	50-32-8	s 0.061	a 12.
~~K052~~ ~~Table A~~	~~Benzene~~	~~71-43-2~~	~~a 0.011~~	~~a 14.~~
	~~Benzo(a)pyrene~~	~~50-32-8~~	~~a 0.047~~	~~a 12.~~
	~~o-Cresol~~	~~95-48-7~~	~~a 0.011~~	~~a 6.2~~
	~~p-Cresol~~	~~106-44-5~~	~~a 0.011~~	~~a 6.2~~
	~~2,4-Dimethylphenol~~	~~105-67-9~~	~~a 0.033a~~	~~NA~~
	~~Ethylbenzene~~	~~100-41-4~~	~~a 0.011~~	~~a 14.~~
	~~Naphthalene~~	~~91-20-3~~	~~a 0.033~~	~~a 42.~~
	~~Phenanthrene~~	~~85-01-8~~	~~a 0.039~~	~~a 34~~
	~~Phenol~~	~~108-95-2~~	~~a 0.047~~	~~a 3.6~~
	~~Toluene~~	~~108-88-3~~	~~a 0.011~~	~~a 14.~~
	~~Xylene(s)~~		~~a 0.011~~	~~a 22.~~
	~~Cyanides (Total)~~	~~57-12-5~~	~~a 0.028~~	~~a 1.8~~
	~~Chromium (Total)~~	~~7440-47-32~~	~~0.2~~	~~NA~~
	~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~
K052	o-Cresol	95-48-7	s 0.11	a 6.2
	p-Cresol	106-44-5	s 0.77	a 6.2
	2,4-Dimethylphenol	105-67-9	s 0.036	NA
	Ethylbenzene	100-41-4	s 0.057	a 14.
	Naphthalene	91-20-3	s 0.059	a 42.
	Phenanthrene	85-01-8	s 0.059	a 34.
	Phenol	108-95-2	s 0.039	a 3.6
	Toluene	108-88-3	s 0.08	a 14.
	Xylenes		s 0.32	a 22.
	Cyanides (Total)	56-12-5	a 0.028	a 1.8
	Chromium (Total)	7440-47-32	0.2	NA
	Lead	7439-92-1	0.037	NA
K060	Benzene	71-43-2	s 0.17	a 0.071
	Benzo(a)pyrene	50-32-8	s 0.035	a 3.6
	Naphthalene	91-20-3	s 0.028	a 3.4
	Phenol	108-95-2	s 0.042	a 3.4
	Cyanides (Total)	57-12-5	1.9	1.2

		Phenol	108-95-2	s 0.039	a 6.2
		Phorate	298-02-2	s 0.021	a 4.6
		Propanenitrile (ethyl cyanide)	107-12-0	s 0.24	a 360.
		Pronamide	23950-58-5	s 0.093	a 1.5
		Pyrene	129-00-0	s 0.067	a 8.2
		Pyridine	110-86-1	s 0.014	a 16.
		Safrole	94-59-7	s 0.081	a 22.
		Silvex (2,4,5-TP)	93-72-1	s 0.72	a 7.9
		2,4,5-T	93-76-5	s 0.72	a 7.9
		1,2,4,5-Tetrachlorobenzene	95-94-3	s 0.055	a 19.
		Tetrachlorodibenzofurans		s 0.000063	a 0.001
		Tetrachlorodibenzo-p-dioxins		s 0.000063	a 0.001
		2,3,7,8-Tetrachloro-dibenzo-p-dioxin		s 0.000063	NA
		1,1,1,2-Tetrachloroethane	630-20-6	s 0.057	a 42.
		1,1,2,2-Tetrachloroethane	79-34-6	s 0.057	a 42.
		Tetrachloroethene	127-18-4	s 0.056	a 5.6
		2,3,4,6-Tetrachlorophenol	58-90-2	s 0.030	a 37.
		Toluene	108-88-3	s 0.080	a 28.
		Toxaphene	8001-35-1	s 0.0095	a 1.3
		1,2,4-Trichlorobenzene	120-82-1	s 0.055	a 19.
		1,1,1-Trichloroethane	71-55-6	s 0.054	a 5.6
		1,1,2-Trichloroethane	79-00-5	s 0.054	a 5.6
		Trichloroethylene	79-01-6	s 0.054	a 5.6
		2,4,5-Trichlorophenol	95-95-4	s 0.18	a 37.
		2,4,6-Trichlorophenol	88-06-2	s 0.035	a 37.
		1,2,3-Trichloropropane	96-18-4	s 0.85	a 28.
		1,1,2-Trichloro-1,2,2-tri-fluoroethane	76-13-1	s 0.057	a 28.
		Vinyl chloride	75-01-4	s 0.27	a 33.
		Xylene(s)		s 0.32	a 28.
		Cyanides (Total)	57-12-5	s 1.2	a 1.8
		Cyanides (Amenable)	57-12-5	s 0.86	NA
		Fluoride	16964-48-8	s 35.	NA
		Sulfide	8496-25-8	s 14.	NA
		Antimony	7440-36-0	s 1.9	NA
		Arsenic	7440-38-2	s 5.0	NA
		Barium	7440-39-3	s 1.2	NA
		Beryllium	7440-41-7	s 0.82	NA
		Cadmium	7440-43-9	s 0.20	NA
		Chromium (Total)	7440-47-32	s 0.37	NA
		Copper	7440-50-8	s 1.3	NA
		Lead	7439-92-1	s 0.28	NA
		Mercury	7439-97-6	s 0.15	NA
		Nickel	7440-02-2	s 0.55	NA
		Selenium	7782-49-2	s 0.82	NA
		Silver	7440-22-4	s 0.29	NA
		Vanadium	7440-62-2	s 0.042	NA
K001	Table A	Naphthalene	91-20-3	a 0.031	a 1.5
		Pentachlorophenol	87-86-5	a 0.031	a 1.5
		Phenanthrene	85-01-8	a 0.031	a 1.5
		Pyrene	129-00-0	a 0.028	a 1.5
		Toluene	106-88-3	a 0.028	a 28.
		Xylenes (Total)		a 0.032	a 33.
		Lead	7439-92-1	a 0.037	NA

K061	Tables A & D	Cadmium	7440-43-9	1.61	NA
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.51	NA
		Nickel	7440-02-2	0.44	NA
K062	Table A	Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-2	0.44	NA
K069	Tables A & D	Cadmium	7440-43-9	1.6	NA
		Lead	7439-92-1	0.51	NA
K071	Table A	Mercury	7439-97-6	0.030	NA
K073		Carbon tetrachloride	58-23-5	s 0.057	a 6.2
		Chloroform	67-66-3	s 0.046	a 6.2
		Hexachloroethane	67-72-1	s 0.055	a 30.
		Tetrachloroethene	127-18-4	s 0.056	a 6.2
		1,1,1-Trichloroethane	71-55-6	s 0.054	a 6.2
K083	Table A	Benzene	71-43-2	s 0.14	a 6.6
		Aniline	62-53-3	s 0.81	a 14.
		Diphenylamine	22-39-4	s 0.52	NA
		Diphenylnitrosamine	86-30-6	s 0.40	NA
		Sum of Diphenylamine and Diphenylnitrosamine		NA	a 14.
		Nitrobenzene	98-95-3	s 0.068	a 14.
		Phenol	108-95-2	0.039	a 5.6
		Cyclohexanone	108-94-1	0.36	a 30.
		Nickel	7440-02-2	0.47	NA
K084		Arsenic	7440-38-2	0.79	NA
K085		Benzene	71-43-2	s 0.14	a 4.4
		Chlorobenzene	108-90-7	s 0.057	a 4.4
		o-Dichlorobenzene	95-50-1	s 0.088	a 4.4
		m-Dichlorobenzene	541-73-1	s 0.036	a 4.4
		p-Dichlorobenzene	106-46-7	s 0.090	a 4.4
		1,2,4-Trichlorobenzene	120-82-1	s 0.055	a 4.4
		1,2,4,5-Tetrachlorobenzene	95-94-3	s 0.055	a 4.4
		Pentachlorobenzene	608-93-5	0.055	a 4.4
		Hexachlorobenzene	118-74-1	s 0.055	a 4.4
		Aroclor 1016	12674-11-2	s 0.013	a 0.9
		Aroclor 1221	11104-28-2	s 0.014	a 0.92
		Aroclor 1232	11141-16-5	s 0.013	a 0.92
		Aroclor 1242	53469-21-9	s 0.017	a 0.92
		Aroclor 1248	12672-29-6	s 0.013	a 0.92
		Aroclor 1254	11097-69-1	s 0.014	a 1.8
		Aroclor 1260	11096-82-5	s 0.014	a 1.8
K086	Table A	Acetone	67-64-1	0.28	a 160.
		Acetophenone	96-86-2	0.010	a 9.7
		Bis(2-ethylhexyl)phthalate	117-81-7	s 0.28	a 28.
		n-Butyl alcohol	71-36-3	5.6	a 2.6
		Butylbenzylphthalate	85-68-7	s 0.017	a 7.9
		cyclohexanone	108-94-1	0.36	NA

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		1,2-Dichlorobenzene	95-50-1	0.088	a 6.0
		Diethyl phthalate	84-66-2	s 0.20	a 28.
		Dimethyl phthalate	131-11-3	s 0.047	a 28.
		Di-n-butyl phthalate	84-74-2	s 0.057	a 28.
		Di-n-octyl phthalate	117-84-0	s 0.017	a 28.
		Ethyl acetate	141-78-6	s 0.34	a 33.
		Ethylbenzene	100-41-4	s 0.057	a 6.0
		Methanol	67-56-1	s 5.6	NA
		Methyl isobutyl ketone	108-10-1	0.14	a 33.
		Methyl ethyl ketone	78-93-3	0.28	a 36.
		Methylene chloride	75-09-2	s 0.089	a 33.
		Naphthalene	91-20-3	s 0.059	a 3.1
		Nitrobenzene	98-95-3	s 0.068	a 14.
		Toluene	108-88-3	s 0.080	a 28.
		1,1,1-Trichloroethane	71-55-6	s 0.054	a 5.6
		Trichloroethylene	79-01-6	s 0.054	a 5.6
		Xylene(s)	(Total)	s 0.32	a 28.
		Cyanides (Total)	57-12-5	1.9	1.5
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.037	NA
~~K087~~	~~Table A~~	~~Acenaphthalene~~	~~208-96-8~~	~~a 0.028~~	~~3.4~~
		~~Benzene~~	~~71-43-2~~	~~a 0.014~~	~~a 0.071~~
		~~Chrysene~~	~~218-01-9~~	~~a 0.028~~	~~a 3.4~~
		~~Fluoranthene~~	~~206-44-0~~	~~a 0.028~~	~~a 3.4~~
		~~Indeno(1,2,3-cd)pyrene~~	~~193-39-5~~	~~a 0.028~~	~~a 3.4~~
		~~Naphthalene~~	~~91-20-3~~	~~a 0.028~~	~~a 3.4~~
		~~Phenanthrene~~	~~85-01-8~~	~~a 0.028~~	~~a 3.4~~
		~~Toluene~~	~~108-88-3~~	~~a 0.008~~	~~a 0.65~~
		~~Xylene(s)~~		~~a 0.014~~	~~a 0.07~~
		~~Lead~~	~~7439-92-1~~	~~0.037~~	~~NA~~
K087		Acenaphthalene	208-96-8	s 0.059	3.4
		Benzene	71-43-2	s 0.14	a 0.071
		Chrysene	218-01-9	s 0.059	a 3.4
		Fluoranthene	206-44-0	s 0.068	a 3.4
		Indeno (1,2,3-cd) pyrene	193-39-5	s 0.0055	a 3.4
		Naphthalene	91-20-3	s 0.059	a 3.4
		Phenanthrene	85-01-8	s 0.059	a 3.4
		Toluene	108-88-3	s 0.08	a 0.65
		Xylenes		s 0.32	a 0.07
		Lead	7439-92-1	0.037	NA
~~K093~~		~~Phthalic anhydride (measured as Phthalic acid)~~	~~85-44-9~~	~~a 0.54~~	~~a 28.~~
K093		Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.069	a 28.
~~K094~~		~~Phthalic anhydride (measured as Phthalic acid)~~	~~85-44-9~~	~~a 0.54~~	~~a 28.~~
K094		Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.069	a 28.
K095		1,1,1,2-Tetrachloroethane	630-20-6	0.057	a 5.6

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		1,1,2,2-Tetrachloroethane	79-34-6	0.057	a 5.6
		Tetrachloroethene	127-18-4	0.056	a 6.0
		1,1,2-Trichloroethane	79-00-5	0.054	a 6.0
		Trichloroethylene	79-01-6	0.054	a 5.6
		Hexachloroethane	67-72-1	0.055	a 28.
		Pentachloroethane	76-01-7	0.055	a 5.6
K096		1,1,1,2-Tetrachloroethane	630-20-6	0.057	a 5.6
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	a 5.6
		Tetrachloroethene	127-18-4	0.056	a 6.0
		1,1,2-Trichloroethane	79-00-5	0.054	a 6.0
		Trichloroethene	79-01-6	0.054	a 5.6
		1,3-Dichlorobenzene	541-73-1	0.036	a 5.6
		Pentachloroethane	76-01-7	0.055	a 5.6
		1,2,4-Trichlorobenzene	120-82-1	0.055	a 19.
K097		Hexachlorocyclopentadiene	77-47-4	s 0.057	2.4
		Chlordane	57-74-9	s 0.0033	a 0.26
		Heptachlor	76-44-8	s 0.0012	a 0.066
		Heptachlor epoxide	1024-57-3	s 0.016	a 0.066
K098		Toxaphene	8001-35-1	s 0.0095	a 2.6
K099		2,4-Dichlorophenoxyacetic acid	94-75-7	a 1.	a 1.
		Hexachlorodibenzo-p-dioxins		a 0.001	a 0.001
		Hexachlorodibenzofurans		a 0.001	a 0.001
		Pentachlorodibenzo-p-dioxins		a 0.001	a 0.001
		Pentachlorodibenzofurans		a 0.001	a 0.001
		Tetrachlorodibenzo-p-dioxins		a 0.001	a 0.001
		Tetrachlorodibenzofurans		a 0.001	a 0.001
K100	Table A	Cadmium	7440-43-9	1.6	NA
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.51	NA
K101		o-Nitroaniline		a 0.27	a 14.
		Arsenic	7440-38-2	0.79	NA
		Cadmium	7440-43-9	0.24	NA
		Lead	7439-92-1	0.17	NA
		Mercury	7439-97-6	0.082	NA
K102	Table A	o-Nitrophenol		a 0.028	a 13.
		Arsenic	7440-38-2	0.79	NA
		Cadmium	7440-43-9	0.24	NA
		Lead	7439-92-1	0.17	NA
		Mercury	7439-97-6	0.082	NA
K103		Aniline	62-53-3	a 4.5	5.6
		Benzene	71-43-2	a 0.15	a 6.0
		2,4-Dinitrophenol	51-28-5	a 0.61	a 5.6
		Nitrobenzene	98-95-3	a 0.073	a 5.6
		Phenol	108-95-2	a 1.4	a 5.6
K104		Aniline	62-53-3	a 4.5	a 5.6

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NOTICE OF ADOPTED AMENDMENTS

		Benzene	71-43-2	a 0.15	a 6.0
		2,4-Dinitrophenol	51-28-5	a 0.61	a 5.6
		Nitrobenzene	98-95-3	a 0.073	a 5.6
		Phenol	108-95-2	a 1.4	a 5.6
		Cyanides (Total)	57-12-5	2.7	a 1.8
K105		Benzene	71-43-2	0.14	a 4.4
		Chlorobenzene	108-90-7	0.057	a 4.4
		o-Dichlorobenzene	95-50-1	0.088	a 4.4
		p-Dichlorobenzene	106-46-7	0.090	a 4.4
		2,4,5-Trichlorophenol	95-95-4	0.18	a 4.4
		2,4,6-Trichlorophenol	88-06-2	0.035	a 4.4
		2-Chlorophenol	95-57-8	0.044	a 4.4
		Phenol	108-95-2	0.039	a 4.4
K106	Tables A & D	Mercury	7439-97-6	0.030	NA
K115	Table A	Nickel	7440-02-2	0.47	NA
K111		2,4-Dinitrotoluene	121-14-2	0.32	a 140.
		2,6-Dinitrotoluene	606-20-2	0.55	a 28.
K117		Ethylene dibromide	106-93-4	0.028	a 15.
		Methyl bromide	74-83-9	0.11	a 15.
		Chloroform	67-66-3	0.046	a 5.6
K118		Ethylene dibromide	106-93-4	0.028	a 15.
		Methyl bromide	74-83-9	0.11	a 15.
		Chloroform	67-66-3	0.046	a 5.6
K131		Methyl bromide	74-83-9	0.11	a 15.
K132		Methyl bromide	74-83-9	0.11	a 15.
K136		Ethylene dibromide	106-93-4	0.028	a 15.
		Methyl bromide	74-83-9	0.11	a 15.
		Chloroform	67-66-3	0.046	a 5.6

a Treatment standards for this organic constituent were established based upon incineration in units operated in accordance with the technical requirements of 35 Ill. Adm. Code 724.Subpart O or 725.Subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may certify compliance with these treatment standards according to provisions in Section 728.107.

s Based on analysis of composite samples.

R As analyzed using SW-846 Method 9010; sample size: 0.5-10; distillation time: one hour to one hour and fifteen minutes.

NA Not Applicable.

TABLE B (CCW): P AND U LISTED WASTES

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Waste Code	Commercial Chemical Name	See Also	Regulated Hazardous Constituent	CAS No. for Regulated Hazardous Constituent	Concentration (mg/L) Wastewaters	Concentration (mg/L) Nonwastewaters
P004	Aldrin		Aldrin	309-00-2	0.21	0.066
P010	Arsenic acid	Table A	Arsenic	7440-38-2	0.79	NA
P011	Arsenic pentoxide	Table A	Arsenic	7440-38-2	0.79	NA
P012	Arsenic trioxide	Table A	Arsenic	7440-38-2	0.79	NA
P013	Barium cyanide	Table A	Cyanides (Total)	57-12-5	1.9	110.
			Cyanides (Amenable)	57-12-5	0.1	9.1
P020	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)		2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	* 2.5
P021	Calcium cyanide		Cyanides (Total)	57-12-5	1.9	110.
			Cyanides (Amenable)	57-12-5	0.1	9.1
P022	Carbon disulfide	Table D	Carbon disulfide	75-15-0	0.014	NA
P024	p-Chloroaniline		p-Chloroaniline	106-47-8	0.46	* 16.
P029	Copper cyanide		Cyanides (Total)	57-12-5	1.9	110.
			Cyanides (Amenable)	57-12-5	0.1	9.1
P030	Cyanides (soluble salts and complexes)		Cyanides (Total)	57-12-5	1.9	110.
			Cyanides (Amenable)	57-12-5	0.1	9.1
P036	Dichlorophenylarsine	Table A	Arsenic	7440-38-2	0.79	NA
P037	Dieldrin		Dieldrin	60-57-1	* 0.017	* 0.13
P038	Diethylarsine	Table A	Arsenic	7440-38-2	0.79	NA
P039	Disulfoton		Disulfoton	298-04-4	0.017	* 0.1

P047	4,6-Dinitro-o-cresol		4,6-Dinitro-o-cresol	534-52-4	*	0.28	*	160.
P048	2,4-Dinitrophenol		2,4-Dinitrophenol	51-28-5	*	0.12	*	160.
P050	Endosulfan		Endosulfan I	939-98-8	*	0.023	*	0.066
			Endosulfan II	33213-6-5	*	0.029	*	0.13
			Endosulfan sulfate	1031-07-8	*	0.029	*	0.13
P051	Endrin		Endrin	72-20-8	*	0.0028	*	0.13
			Endrin aldehyde	7421-93-4	*	0.025	*	0.13
P056	Fluoride	Table D	Fluoride	18694-48-8		35.		NA
P059	Heptachlor		Heptachlor	76-44-8	*	0.0012	*	0.066
			Heptachlor epoxide	1024-57-3	*	0.016	*	0.066
P060	Isodrin		Isodrin	465-73-6	*	0.021	*	0.066
P063	Hydrogen cyanide		Cyanides (Total)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.10		9.1
P065	Mercury fulminate	Tables A & D	Mercury	7439-97-6		0.030		NA
P071	Methyl parathion		Methyl parathion	298-00-0		0.025	*	0.1
P073	Nickel carbonyl	Table A	Nickel	7440-02-2		0.44		NA
P074	Nickel cyanide	Table A	Cyanides (Table)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.10		9.1
			Nickel	7440-02-2		0.44		NA
P077	p-Nitroaniline		p-Nitroaniline	100-01-6	*	0.028	*	28.
P082	N-Nitrosodimethylamine	Table D	N-Nitrosodimethylamine	62-75-9	*	0.40		NA
P089	Parathion		Parathion	56-38-2		0.025	*	0.1
P092	Phenylmercury acetate	Tables A & D	Mercury	7439-97-6		0.030		NA
P094	Phorate		Phorate	298-02-2		0.025	*	0.1
P097	Famphur		Famphur	52-85-7		0.025	*	0.1

P098	Potassium cyanide		Cyanides (Total)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.10		9.1
P099	Potassium silver cyanide	Table A	Cyanides (Total)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.1		9.1
			Silver	7440-22-4		0.29		NA
P101	Ethyl cyanide (Propanenitrile)		Ethyl cyanide (Propanenitrile)	107-12-0	*	0.24	*	360.
P103	Selenourea	Table A	Selenium	7782-49-2	*	1.0		NA
P104	Silver cyanide	Table A	Cyanides (Total)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.10		9.1
			Silver	7440-22-4		0.29		NA
P106	Sodium cyanide		Cyanides (Total)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.10		9.1
P110	Tetraethyl lead	Tables A & D	Lead	7439-92-1		0.040		NA
P113	Thallic oxide	Table D	Thallium	7440-28-0	*	0.14		NA
P114	Thallium selenite	Table A	Selenium	7782-49-2		1.0		NA
P115	Thallium(I) sulfate	Table D	Thallium	7440-28-0	*	0.14		NA
P119	Ammonia vanadate	Table D	Vanadium	7440-62-2	*	28.		NA
P120	Vanadium pentoxide	Table D	Vanadium	7440-62-2	*	28.		NA
P121	Zinc cyanide		Cyanides (Total)	57-12-5		1.9		110.
			Cyanides (Amenable)	57-12-5		0.10		9.1
P123	Toxaphene		Toxaphene	8001-35-1	*	0.0095	*	1.3
U002	Acetone		Acetone	67-64-1		0.28	*	160.
U003	Acetonitrile	Table D	Acetonitrile	75-05-8		0.17		NA

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U004	Acetophenone		Acetophenone	98-86-2	*	0.010	*	9.7
U005	2-Acetylaminofluorene		2-Acetylaminofluorene	53-96-3	*	0.059	*	140.
U009	Acrylonitrile		Acrylonitrile	107-13-1	*	0.24	*	84.
U012	Aniline		Aniline	62-53-3		0.81	*	14.
U018	Benz(a)anthracene		Benz(a)anthracene	56-55-3	*	0.059	*	8.2
U019	Benzene		Benzene	71-43-2	*	0.14	*	36.
U022	Benzo(a)pyrene		Benzo(a)pyrene	50-32-8	*	0.061	*	8.2
U024	Bis(2-chloroethoxy)methane		Bis(2-chloroethoxy)methane	111-91-1		0.036	*	7.2
U025	Bis(2-chloroethyl) ether		Bis(2-chloroethyl) ether	111-44-4		0.033	*	7.2
U027	Bis(2-chloroisopropyl) ether		Bis(2-chloroisopropyl) ether	39638-32-9	*	0.055	*	7.2
~~U028~~	~~Bis(2-ethylhexyl) pthalate~~		~~Bis(2-ethylhexyl) pthalate~~	~~117-81-7~~	~~*~~	~~0.54~~	~~*~~	~~28.~~
U028	Bis(2-ethylhexyl)-phthalate		Bis(2-ethylhexyl)-phthalate	117-81-7		0.28		28. X
U029	Bromomethane (Methyl bromide)		Bromomethane (Methyl bromide)	74-83-9	*	0.11	*	15.
U030	4-Bromophenyl phenyl ether		4-Bromophenyl phenyl ether	101-55-3	*	0.055	*	15.
U031	n-Butyl alcohol		n-Butyl alcohol	71-36-3		5.6	*	2.6
U032	Calcium chromate	Table A	Chromium (Total)	7440-47-32		0.32		NA
U036	Chlordane (alpha and gamma)		Chlordane (alpha and gamma)	57-74-9	*	0.00033	*	0.13
U037	Chlorobenzene		Chlorobenzene	108-90-7	*	0.057	*	5.7

U038	Chlorobenzilate	Table D	Chlorobenzilate	510-15-6	*	0.10		NA
U039	p-Chloro-m-cresol		p-Chloro-m-cresol	59-50-7	*	0.018	*	14.
~~U042~~	~~2-Chloroethyl vinyl~~	~~Table D~~	~~2-Chloroethyl vinyl~~	~~110-75-8~~		~~0.057~~		~~NA~~
U043	Vinyl chloride		Vinyl chloride	75-01-4	*	0.27	*	33.
U044	Chloroform		Chloroform	67-66-3	*	0.046	*	5.6
U045	Chloromethane (Methyl chloride)		Chloromethane (Methyl chloride)	74-87-3	*	0.19	*	33.
U047	2-Chloronaphthalene		2-Chloronaphthalene	91-58-7	*	0.055	*	5.6
U048	2-Chlorophenol		2-Chlorophenol	95-57-8	*	0.044	*	5.7
U050	Chrysene		Chrysene	218-01-9	*	0.059	*	8.2
U051	Creosote	Table A	Naphthalene	91-20-3	*	0.031	*	1.5
			Pentachlorophenol	87-86-5	*	0.18	*	7.4
			Phenanthrene	85-01-8	*	0.031	*	1.5
			Pyrene	129-00-0	*	0.028	*	28.
			Toluene	108-88-3	*	0.028	*	33.
			Xylenes (Total)		*	0.032		NA
			Lead	7439-92-1	*	0.037		NA
U052	Cresols (Cresylic acid)		o-Cresol	95-48-7	*	0.11	*	5.6
			Cresols (m- and p-isomers)		*	0.77	*	3.2
U057	Cyclohexanone	Table D	Cyclohexanone	108-94-1		0.36		NA
U060	DDD		o,p'-DDD	53-19-0		0.023	*	0.087
			p,p'-DDD	72-54-8		0.023	*	0.087
U061	DDT		o,p'-DDT	789-02-6	*	0.0039	*	0.087
			p,p'-DDT	50-29-3	*	0.0039	*	0.087
			o,p'-DDD	53-19-0		0.023	*	0.087
			p,p'-DDD	72-54-8		0.023	*	0.087
			o,p'-DDE	3424-82-6	*	0.031	*	0.087
			p,p'-DDE	72-55-9	*	0.031	*	0.087
U063	Dibenzo(a,h)anthracene		Dibenzo(a,h)-anthracene	53-70-3	*	0.055	*	8.2

U066	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-3-chloro-propane	96-12-8	*	0.11	*	15.
U067	1,2-Dibromo-ethane (Ethylene dibromide)	1,2-Dibromo-ethane (Ethylene di-bromide)	106-93-4	*	0.028	*	15.
U068	Dibromoeth-ane	Dibromoethane	74-95-3	*	0.11		15.
~~U069~~	~~Di-n-butyl phthalate~~	~~Di-n-butyl phthalate~~	~~84-74-2~~	~~*~~	~~0.54~~	~~*~~	~~28.~~
U069	Di-n-butyl phthalate	Di-n-butyl phthalate	84-74-2		0.057		28. X
U070	o-Dichloro-benzene	o-Dichloro-benzene	95-50-1	*	0.088	*	6.2
U071	m-Dichloro-benzene	m-Dichloro-benzene	541-73-1		0.036		6.2
U072	p-Dichloro-benzene	p-Dichloro-benzene	104-46-7	*	0.090	*	6.2
U075	Dichloro-difluoro-methane	Dichlorodi-fluoromethane	75-71-8	*	0.23	*	7.2
U076	1,1-Di-chloroethane	1,1-Dichloro-ethane	75-34-3	*	0.059		7.2
U077	1,2-Di-chloroethane	1,2-Dichloro-ethane	107-06-2	*	0.21	*	7.2
U078	1,1-Dichlor-oethylene	1,1-Dichloro-ethylene	75-35-4	*	0.025	*	33.
U079	1,2-Dichlor-oethylene	trans-1,2-Di-chloroethyl-ene	156-60-5	*	0.054		33. X
U080	Methylene chloride	Methylene chloride	75-08-2		0.089 Y		33. X
U081	2,4-Di-chlorophenol	2,4-Dichloro-phenol	120-83-2		0.044 Y		14. X
U082	2,6-Dichlor-ophenol	2,6-Dichloro-phenol	87-65-0		0.044 Y		14. X
U083	1,2-Dichlor-opropane	1,2-Dichloro-propane	78-87-5		0.85 Y		18. X
U084	1,3-Dichlor-opropene	cis-1,3-Dich-loropropylene	10061-01-5		0.036 Y		18. X

		trans-1,3-Di-chloropropyl-ene	10061-02-6	0.036 Y	18. X
~~U088~~	~~Diethyl phthalate~~	~~Diethyl phthalate~~	~~84-86-2~~	~~0.54 X~~	~~28. X~~
U088	Diethyl phthalate	Diethyl phthalate	84-66-2	0.2	28. X
U093	p-Dimethyl-aminoazoben-zene Table D	p-Dimethyl-aminoazo-benzene	60-11-7	0.13 Y	NA
U101	2,4-Di-methylphenol	2,4-Dimethyl-phenol	105-67-9	0.036 Y	14. X
~~U102~~	~~Dimethyl phthalate~~	~~Dimethyl phthalate~~	~~131-11-3~~	~~0.54 X~~	~~28. X~~
U102	Dimethyl phthalate	Dimethyl phthalate	131-11-3	0.047	28. X
U105	2,4-Dinitro-toluene	2,4-Dinitro-toluene	121-14-2	0.32 Y	140. X
U106	2,6-Dinitro-toluene	2,6-Dinitro-toluene	606-20-2	0.55 Y	28. X
~~U107~~	~~Di-n-octyl phthalate~~	~~Di-n-octyl phthalate~~	~~117-84-0~~	~~0.54 X~~	~~28. X~~
U107	Di-n-octyl phthalate	Di-n-octyl phthalate	117-84-0	0.017	28. X
U108	1,4-Dioxane	1,4-Dioxane	123-91-1	0.12 Y	170. X
U111	Di-n-propyl-nitrosoamine	Di-n-propyl-nitrosoamine	621-64-7	0.40 Y	14. X
U112	Ethyl acetate	Ethyl acetate	141-78-6	0.34 Y	33. X
U117	Ethyl ether	Ethyl ether	60-29-7	0.12 Y	160. X
U118	Ethyl meth-acrylate	Ethyl methac-rylate	97-63-2	0.14 Y	160. X
U120	Fluoranthene	Fluoranthene	206-44-0	0.068 Y	8.2 X
U121	Trichloro-monofluoro-methane	Trichloro-monofluoro-methane	75-69-4	0.020 Y	33. X
U127	Hexachloro-benzene	Hexachloro-benzene	118-74-1	0.055 Y	37. X

U158	4,4'-Methylenebis(2-chloro-4'-aniline)		Methylenebis-(2-chloro-aniline)	101-14-4	0.50 Y	35. X
U159	Methyl ethyl ketone		Methyl ethyl ketone	78-93-3	0.28	36. X
U161	Methyl isobutyl ketone		Methyl isobutyl ketone	108-10-1	0.14	33. X
U162	Methyl methacrylate		Methyl methacrylate	80-62-6	0.14	160. X
U165	Naphthalene		Naphthalene	91-20-3	0.059 Y	3.1 X
U168	2-Naphthylamine	Table D	2-Naphthylamine	91-59-8	0.52 Y	NA
U169	Nitrobenzene		Nitrobenzene	98-95-3	0.068 Y	14. X
U170	4-Nitrophenol		4-Nitrophenol	100-02-7	0.12 Y	29. X
U172	N-Nitrosodi-n-butylamine		N-Nitrosodi-n-butylamine	924-16-3	0.40 Y	17. X
U174	N-Nitrosodiethylamine		N-Nitrosodiethylamine	55-18-5	0.40 Y	28. X
U179	N-Nitrosopiperidine		N-Nitrosopiperidine	100-75-4	0.013 Y	35. X
U180	N-Nitrosopyrrolidine		N-Nitrosopyrrolidine	930-55-2	0.013 Y	35. X
U181	5-Nitro-o-toluidine		5-Nitro-o-toluidine	99-55-8	0.32 Y	28. X
U183	Pentachlorobenzene		Pentachlorobenzene	608-93-5	0.055 Y	37. X
U185	Pentachloronitrobenzene		Pentachloronitrobenzene	82-68-8	0.055 Y	4.8 X
U187	Phenacetin		Phenacetin	62-44-2	0.081	16. X
U188	Phenol		Phenol	108-95-2	0.039	6.2 X
~~U190~~	~~Phthalic anhydride (measured as Phthalic acid)~~		~~Phthalic anhydride (measured as Phthalic acid)~~	~~85-44-9~~	~~0.54 X~~	~~28. X~~

U190	Phthalic anhydride (measured as Phthalic acid)		Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.069	28. X
U192	Pronamide		Pronamide	23950-58-5	0.093	1.5 X
U196	Pyridine		Pyridine	110-86-1	0.014 Y	16. X
U203	Safrole		Safrole	94-59-7	0.061	22. X
U204	Selenium dioxide	Table A	Selenium	7782-49-2	1.0	NA
U205	Selenium sulfide	Table A	Selenium	7782-49-2	1.0	NA
U207	1,2,4,5-Tetrachlorobenzene		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055 Y	19. X
U208	1,1,1,2-Tetrachloroethane		1,1,1,2-Tetrachloroethane	630-20-6	0.057	42. X
U209	1,1,2,2-Tetrachloroethane		1,1,2,2-Tetrachloroethane	79-34-5	0.057 Y	42. X
U210	Tetrachloroethylene		Tetrachloroethylene	127-18-4	0.056 Y	5.6 X
U211	Carbon tetrachloride		Carbon tetrachloride	56-53-5	0.057 Y	5.6 X
U214	Tallium(I) acetate	Table D	Thallium	7440-28-0	0.14 Y	NA
U215	Thallium(I) carbonate	Table D	Thallium	7440-28-0	0.14 Y	NA
U216	Thallium(I) chloride	Table D	Thallium	7440-28-0	0.14 Y	NA
U217	Thallium(I) nitrate	Table D	Thallium	7440-28-0	0.14 Y	NA
U220	Toluene		Toluene	108-88-3	0.080 Y	28. X
U225	Tribromomethane (Bromoform)		Tribromomethane (Bromoform)	75-25-2	0.63 Y	15. X
U226	1,1,1-Trichloroethane		1,1,1-Trichloroethane	71-55-6	0.054 Y	5.6 X

U227	1,1,2-Trichloroethane	1,1,2-Trichloroethane	79-00-5	0.054 Y	5.6 X
U228	Trichloroethylene	Trichloroethylene	79-01-6	0.054 Y	5.6 X
U235	tris-(2,3-Dibromopropyl)-phosphate	tris-(2,3-Dibromopropyl)-phosphate	126-72-7	0.025	0.10 X
U239	Xylenes	Xylene		s 0.32 Y	28. X
U240	2,4-Dichlorophenoxyacetic acid	2,4-Dichlorophenoxyacetic acid	94-75-7	0.72	10. X
U243	Hexachloropropene	Hexachloropropene	1988-71-7	0.095 Y	28.
U247	Methoxychlor	Methoxychlor	72-43-5	0.25 Y	0.18 X

X Treatment standards for this organic constituent were established based upon incineration in units operated in accordance with the technical requirements of 35 Ill. Adm. Code 724.Subpart O or 725.Subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may certify compliance with these treatment standards according to provisions in Section 728.107.

Y Based on analysis of composite samples.

Z As analyzed using SW-846 Method 9010; sample size: 0.5-10; distillation time: one hour to one hour fifteen minutes.

NA Not Applicable.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.Table D Technology-Based Standards by RCRA Waste Code

Waste Codes	See Also	CAS No.	Technology Code, Wastewaters	Technology Code, Non-wastewaters	Waste Descriptions and/or Treatment Subcategory
D001	Tables A & B	NA	DEACT, and meet F039; or FSUBS; RORGS; or INCIN	~~NA~~DEACT, and meet F039; or FSUBS; RORGS; or INCIN	~~Ignitable Liquids~~All descriptions based on 35 Ill. Adm. Code 721.121 ~~(a)(1)-wastewaters~~, except for the Section 721.121(a)(1) High TOC subcategory, managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems
D001	NA	NA	~~NA~~DEACT	DEACT	~~Ignitable Liquids~~All descriptions based on 35 Ill. Adm. Code 721.121 ~~(a)(1)-Low TOC Ignitable Liquids Subcategory--Less than 10% total organic carbon~~, except for the Section 261.121(a)(1) High TOC subcategory, managed in CWA, CWA-equivalent, or Class I SDWA systems
D001	NA	NA	NA	FSUBS; RORGS; or INCIN	~~Ignitable Liquids~~All descriptions based on 35 Ill. Adm. Code 721.121 (a)(1)-High TOC Ignitable Liquids Subcategory--Greater than or equal to 10% total organic carbon
~~D001~~		~~NA~~	~~NA~~	~~DEACT**~~	~~Ignitable compressed gases based on 35 Ill. Adm. Code 721.121(a)(3)~~
~~D001~~		~~NA~~	~~NA~~	~~DEACT~~	~~Ignitable reactives 35 Ill. Adm. Code 721.121(a)(2)~~
~~D001~~		~~NA~~	~~DEACT~~	~~DEACT~~	~~Oxidizers based on 35 Ill. Adm. Code 721.121(a)(4)~~
D002	Tables A & B	NA	DEACT and meet F039	DEACT and meet F039	Acid, alkaline, and other subcategory based on 35 Ill. Adm. Code 721.122~~(a)(1)~~ managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems
D002		NA	DEACT	DEACT	Acid, alkaline, and other subcategory based on 35 Ill. Adm. Code 721.122~~(a)(1)~~ managed in CWA, CWA-equivalent, or Class I SDWA systems
~~D002~~		~~NA~~	~~DEACT~~	~~DEACT~~	~~Other corrosives based on 35 Ill. Adm. Code 721.122(a)(2)~~
D003		NA	DEACT	DEACT	Reactive sulfides based on 35 Ill. Adm. Code 721.123(a)(5)

D003		NA	DEACT	DEACT	Explosives based on 35 Ill. Adm. Code 721.123 (a)(6), (7) and (8)
D003		NA	NA	DEACT	Water reactives based on 35 Ill. Adm. Code 721.123(a)(2), (3) and (4)
D003		NA	DEACT	DEACT	Other reactives based on 35 Ill. Adm. Code 721.123(a)(1)
D006		7440-43-9	NA	RTHERM	Cadmium containing batteries
D008		7439-82-1	NA	RLEAD	Lead acid batteries (Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of this Part or exempted under other regulations (see 35 Ill. Adm. Code 726.180).)
D009	Tables A & B	7439-87-6	NA	IMERC; or RMERC	Mercury: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury--contains mercury and organics (and are not incinerator residues))
D009	Tables A & B	7439-87-6	NA	RMERC	Mercury: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury--inorganics (including incinerator residues and residues from RMERC))
D012	Table B	72-20-8	BIODG; or INCIN	NA	Endrin
D013	Table B	58-89-9	CARBN; or INCIN	NA	Lindane
D014	Table B	72-43-6	WETOX; or INCIN	NA	Methoxychlor
D015	Table B	8001-35-1	BIODG; or INCIN	NA	Toxaphene

D016	Table B	94-75-7	CHOXD; BIODG; or INCIN	NA	2,4-D
D017	Table B	93-72-1	CHOXD; or INCIN	NA	2,4,5-TP
F005	Tables A & B	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Nitropropane
F005	Tables A & B	110-80-5	BIODG; or INCIN	INCIN	2-Ethoxyethanol
F024	Tables A & B	NA	INCIN	INCIN	----------
K025		NA	LLEXT fb SSTRIP fb CARBN; or INCIN	INCIN	Distillation bottoms from the production of nitrobenzene by the nitration of benzene
K026		NA	INCIN	INCIN	Stripping still tails from the production of methyl ethyl pyridines
K027		NA	CARBN; or INCIN	FSUBS; or INCIN	Centrifuge and distillation residues from toluene diisocyanate production
K039		NA	CARBN; or INCIN	FSUBS; or INCIN	Filter cake from the filtration of diethylphosphorodithioc acid in the production of phorate
K044		NA	DEACT	DEACT	Wastewater treatment sludges from the manufacturing and processing of explosives
K045		NA	DEACT	DEACT	Spent carbon from the treatment of wastewater containing explosives
K047		NA	DEACT	DEACT	Pink/red water from TNT operations
K061	Table 8	NA	NA	NLDBR	Emission control dust/sludge from the primary production of steel in electric furnaces (High Zinc Subcategory--greater than or equal to 15% total Zinc)

K069	Tables A & B	NA	NA	RLEAD	Emission control dust/ sludge from secondary lead smelting: Non-Calcium Sulfate Sub-category
K106	Tables A & B	NA	NA	RMERC	Wastewater treatment sludge from the mercury cell process in chlorine production: (High Mercury Subcategory-greater than or equal to 260 mg/kg total mercury)
K107		NA	INCIN; or CHOXD fb, CARBN; or BIODG fb CARBN	INCIN.	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides
K108		NA	INCIN; or CHOXD fb, CARBN; or BIODG fb CARBN	INCIN.	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides
K109		NA	INCIN; or CHOXD fb, CARBN; or BIODG fb CARBN	INCIN.	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides
K110		NA	INCIN; or CHOXD fb, CARBN; or BIODG fb CARBN	INCIN.	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides
K112		NA	INCIN; or CHOXD fb, CARBN; or BIODG fb CARBN	INCIN.	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene

K113	NA	CARBN; or INCIN	FSUBS; or INCIN	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of di-nitrotoluene
K114	NA	CARBN; or INCIN	FSUBS; or INCIN	Vicinals from the purification of tol-uenediame in the production of toluenedi-amine via hydrogenation of dinitrotoluene
K115	NA	CARBN; or INCIN	FSUBS; or INCIN	Heavy ends from the purification of toluenediame in the production of tol-uenediamine via hydrogenation of di-nitrotoluene
K116	NA	CARBN; or INCIN	FSUBS; or INCIN	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine
K123	NA	INCIN; or CHOXD fb (BIODG or CARBN)	INCIN.	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebis-dithiocarbamic acid and its salts
K124	NA	INCIN; or CHOXD fb (BIODG or CARBN)	INCIN.	Reactor vent scrubber water from the production of ethylenebisdi-thiocarbamic acid and its salts
K125	NA	INCIN; or CHOXD fb (BIODG or CARBN)	INCIN.	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdi-thiocarbamic acid and its salts

K126	NA	INCIN; or CHOXD fb (BIODG or CARBN)	INCIN.	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylene bisdithiocarbamic acid and its salts
P001	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Warfarin (>0.3%)
P002	591-08-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-Acetyl-2-thiourea
P003	107-02-8	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Acrolein
P005	107-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Allyl alcohol
P006	20859-73-8	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Aluminum phosphide
P007	2763-96-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	5-Aminoethyl 3-isoxazolol
P008	504-24-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	4-Aminopyridine
P009	131-74-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Ammonium picrate
P014	108-95-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thiophenol (Benzene thiol)
P015	7440-41-7	NA	RMETL; or RTHRM	Beryllium dust

P016		542-88-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Bis(chloromethyl)ether
P017		598-31-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Bromoacetone
P018		357-57-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Brucine
P022	Table B	75-15-0	NA	INCIN	Carbon disulfide
P023		107-20-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Chloroacetaldehyde
P026		5344-82-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-(o-Chlorophenyl)thiourea
P027		542-76-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	3-Chloropropionitrile
P028		100-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Benzyl chloride
P031		460-19-5	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN	Cyanogen
P033		506-77-4	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN	Cyanogen chloride
P034		131-89-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Cyclohexyl-4,6-dinitrophenol
P040		297-97-2	CARBN; or INCIN	FSUBS; or INCIN	O,O-Diethyl O-pyrazinyl phosphorothioate
P041		311-45-5	CARBN; or INCIN	FSUBS; or INCIN	Diethyl-p-nitrophenyl phosphate

P042		51-43-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Epinephrine
P043		55-91-4	CARBN; or INCIN	FSUBS; or INCIN	Diisopropylfluorophosphate (DFP)
P044		60-51-5	CARBN; or INCIN	FSUBS; or INCIN	Dimethoate
P045		39196-18-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thiofanox
P046		122-09-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	alpha,alpha-Dimethylphenethylamine
P047		534-52-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	4,6-Dinitro-o-cresol salts
P049		541-53-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2,4-Dithiobiuret
P054		151-56-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Aziridine
P056	Table B	7782-41-4	NA	ADGAS fb NEUTR	Fluorine
P057		640-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Fluoroacetamide
P058		62-74-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Fluoroacetic acid, sodium salt
P062		757-58-4	CARBN; or INCIN	FSUBS or INCIN	Hexaethyltetraphosphate
P064		624-83-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Isocyanic acid, ethyl ester

P065	Tables A & B	628-86-4	NA	RMERC	Mercury fulminate: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury--either incinerator residues or residues from RMERC)
P065	Tables A & B	628-86-4	NA	IMERC	Mercury fulminate: (All nonwastewaters that are not incinerator residues from RMERC; regardless of Mercury Content)
P066		16752-77-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methomyl
P067		75-55-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Methylaziridine
P068		60-34-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; OR INCIN	Methyl hydrazine
P069		75-86-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methyllactonitrile
P070		116-06-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Aldicarb
P072		86-88-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-Naphthyl-2-thiourea
P075		54-11-5*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Nicotine and salts
P076		10102-43-9	ADGAS	ADGAS	Nitric oxide
P078		10102-44-0	ADGAS	ADGAS	Nitrogen dioxide

P081		55-63-0	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Nitroglycerin
P082	Table B	65-75-9	NA	INCIN	N-Nitrosodimethylamine
P084		4549-40-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Nitrosomethylvinylamine
P085		152-16-9	CARBN; or INCIN	FSUBS; or INCIN	Octamethylpyrophosphoramide
P087		20816-12-0	NA	RMETL; or RTHRM	Osmium tetroxide
P088		145-73-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Endothall
P092	Tables A & B	62-38-4	NA	RMERC	Phenyl mercury acetate: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury--either incinerator residues or residues from RMERC)
P092	Tables A & B	62-38-4	NA	IMERC; or RMERC	Phenyl mercury acetate: (All nonwastewaters that are not incinerator residues and are not residues from RMERC: regardless of Mercury Content)
P093		103-85-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Phenylthiourea
P095		75-44-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Phosgene
P096		7803-51-2	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Phosphine
P102		107-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Propargyl alcohol

P105		26628-22-8	CHOXD; CHRED; CARBN BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Sodium azide
P108		57-24-9*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Strychnine and salts
P109		3689-24-5	CARBN; or INCIN	FSUBS; or INCIN	Tetraethyldithiopyrophosphate
P112		509-14-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Tetranitromethane
P113	Table B	1314-32-5	NA	RTHRM; or STABL	Thallic oxide
P115	Table B	7446-18-6	NA	RTHRM; or STABL	Thallium (I) sulfate
P116		79-19-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thiosemicarbazide
P118		75-70-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Trichloromethanethiol
P119	Table B	7803-55-6	NA	STABL	Ammonium vanadate
P120	Table B	1314-62-1	NA	STABL	Vanadium pentoxide
P122		1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Zinc Phosphide (<10%)
U001		75-07-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Acetaldehyde
U003	Table B	75-05-8	NA	INCIN	Acetonitrile
U006		75-36-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Acetyl chloride

U007	79-06-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Acrylamide
U008	79-10-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Acrylic acid
U010	50-07-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Mitomycin C
U011	61-82-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Amitrole
U014	492-80-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Auramine
U015	115-02-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Azaserine
U016	225-51-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Benz(c)acridine
U017	98-87-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Benzal chloride
U020	98-09-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Benzenesulfonyl chloride
U021	92-87-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Benzidine
U023	98-07-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Benzotrichloride

U026		494-03-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Chlornaphazin
U033		353-50-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Carbonyl fluoride
U034		75-87-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Trichloroacetaldehyde (Chloral)
U035		305-03-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Chlorambucil
U038	Table B	510-15-6	NA	INCIN	Chlorobenzilate
U041		106-89-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-Chloro-2,3-epoxypropane (Epichlorohydrin)
U042	Table B	110-75-8	NA	INCIN	2-Chloroethyl vinyl ether
U046		107-30-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Chloromethyl methyl ether
U049		3165-93-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	4-Chloro-o-toluidine hydrochloride
U053		4170-30-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Crotonaldehyde
U055		98-82-8	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Cumene
U056		110-82-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Cyclohexane
U057	Table B	108-94-1	NA	FSUBS; or INCIN	Cyclohexanone

U058	50-18-0	CARBN; or INCIN	FSUBS; or INCIN	Cyclophosphamide
U059	20830-81-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Daunomycin
U062	2303-16-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Diallate
U064	189-55-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	1,2,7,8-Dibenzopyrene
U073	91-94-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	3,3'-Dichlorobenzidine
U074	1476-11-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	cis-1,4-Dichloro-2-butene; trans-1,4-Dichloro-2-butene
U085	1464-53-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	1,2:3,4-Diepoxybutane
U086	1615-80-1	CHOXD; CHRED; CARBN BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	N,N-Diethylhydrazine
U087	3288-58-2	CARBN; or INCIN	FSUBS; or INCIN	O,O-Diethyl S-methyldithiophosphate
U089	56-53-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Diethyl stilbestrol
U090	94-58-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Dihydrosafrole
U091	119-90-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	3,3'-Dimethoxybenzidine

U092		124-40-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Dimethylamine
U093	Table B	621-90-9	NA	INCIN	p-Dimethylaminoazobenzene
U094		57-97-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	7,12-Dimethylbenz(a)anthracene
U095		119-93-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	3,3'-Dimethylbenzidine
U096		80-15-9	CHOXD; CHRED; CARBN BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	alpha,alpha-Dimethylbenzyl hydroperoxide
U097		79-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Dimethylcarbamoyl chloride
U098		57-14-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	1,1-Dimethylhydrazine
U099		540-73-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	1,2-Dimethylhydrazine
U103		77-78-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Dimethyl sulfate
U109		122-66-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	1,2-Diphenylhydrazine
U110		142-84-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Dipropylamine

U113	140-88-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Ethyl acrylate
U114	111-54-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Ethylenebisdithio-carbamic acid
U115	75-21-8	(WETOX or CHOXD) fb CARBN; or INCIN	CHOXD; or INCIN	Ethylene oxide
U116	96-45-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Ethylene thiourea
U119	62-50-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Ethyl methanesulfonate
U122	50-00-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Formaldehyde
U123	64-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Formic acid
U124	110-00-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Furan
U125	98-01-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Furfural
U126	765-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Glycidaldehyde
U132	70-30-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Hexachlorophene

U133		302-01-2	CHOXD; CH-RED; CARBN BIODG; or INCIN	FSUBS; CH-OXD; CHRED; or INCIN	Hydrazine
U134	Table B	7664-39-3	NA	ADGAS fb NEUTR; or NEUTR	Hydrogen Fluoride
U135		7783-06-4	CHOXD; CH-RED; or INCIN	CHOXD; CH-RED; or INCIN	Hydrogen Sulfide
U143		303-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Lasiocarpine
U147		108-31-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Maleic anhydride
U148		123-33-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Maleic hydrazide
U149		109-77-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Malononitrile
U150		148-82-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Melphalan
U151	Tables A & B	7439-97-6	NA	RMERC	Mercury: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury)
U153		74-93-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methanethiol
U154		67-56-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Methanol
U156		79-22-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methyl chlorocarbonate

U160		1338-23-4	CHOXD; CHRED; CARBN BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Methyl ethyl ketone peroxide
U163		70-25-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Methyl-N'-nitro-N-Nitrosoguanidine
U164		56-04-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methylthiouracil
U166		130-15-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	1,4-Naphthoquinone
U167		134-32-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-Naphthylamine
U168	Table B	91-59-8	NA	INCIN	2-Naphthylamine
U171		79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Nitropropane
U173		1116-54-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Nitroso-diethanolamine
U176		759-73-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Nitroso-N-ethylurea
U177		684-93-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Nitroso-N-methylurea
U178		615-53-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Nitroso-N-methylurethane
U182		123-63-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Paraldehyde

U184	76-01-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Pentachloroethane
U186	504-60-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	1,3-Pentadiene
U189	1314-80-3	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Phosphorus sulfide
U191	109-06-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Picoline
U193	1120-71-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1,3-Propane sultone
U194	107-10-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	n-Propylamine
U197	106-51-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	p-Benzoquinone
U200	50-55-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Reserpine
U201	108-46-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Resorcinol
U202	81-07-2*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Saccharin and salts
U206	18883-66-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Streptozatocin
U213	109-99-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Tetrahydrofuran

U214	Table B	563-68-8	NA	RTHRM; or STABL	Thallium (I) acetate
U215	Table B	6533-73-9	NA	RTHRM; or STABL	Thallium (I) carbonate
U216	Table B	7791-12-0	NA	RTHRM; or STABL	Thallium (I) chloride
U217	Table B	10102-45-1	NA	RTHRM; or STABL	Thallium (I) nitrate
U218		62-55-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thioacetamide
U219		62-56-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thiourea
U221		25376-45-8	CARBN; or INCIN	FSUBS; or INCIN	Toluenediamine
U222		636-21-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	o-Toluidine hydrochloride
U223		26471-62-5	CARBN; or INCIN	FSUBS; or INCIN	Toluene diisocyanate
U234		99-35-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	sym-Trinitrobenzene
U236		72-57-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Trypan Blue
U237		66-75-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Uracil mustard
U238		51-79-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Ethyl carbamate
U240		94-75-7*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2,4-Dichlorophenoxyacetic acid (salts and esters)

U244	137-26-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thiram
U246	506-68-3	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN	Cyanogen bromide
U248	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Warfarin (greater than or equal to 3%)
U249	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Zinc Phosphide (<10%)
U328	95-53-4	INCIN; or CHOXD fb, (BIODG or CARBN); or BIODG fb CARBN	INCIN; or Thermal Destruction.	o-toluidine
U353	106-49-0	INCIN; or CHOXD fb, (BIODG or CARBN); or BIODG fb CARBN	INCIN; or Thermal Destruction.	p-toluidine
U359	110-80-5	INCIN; or CHOXD fb, (BIODG or CARBN); or BIODG fb CARBN	INCIN; or FSUBS.	2-ethoxy-ethanol

* CAS Number given for parent compound only.

** This waste code exists in gaseous form and is not categorized as wastewater or nonwastewater forms.

NA Not Applicable.

BOARD NOTE: When a combination of these technologies (i.e., a treatment train) is specified as a single treatment standard, the order of application is specified in this Table by indicating the five letter technology code that must be applied first, then the designation "fb" (an abbreviation for "Followed by"), then the five letter technology code for the technology that must be applied next, and so on. When more than one technology (or treatment train) are specified a alternative treatment standards, the five letter technology codes (or the treatment trains) are separated by a semicolon (;) with the last technology preceded by the word "or". This indicates that any one of these BDAT technologies or treatment trains can be used for compliance with the standard. See Section 728.Table C for a listing of the technology codes and technology-based treatment standards. Derived from 40 CFR 268.42,

Table 2, as adopted at 54 Fed. Reg. 22694, June 1, 1990.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.Table F Alternative Treatment Standards For Hazardous Debris

a) Hazardous debris must be treated by either the standards indicated in this Table or by the waste-specific treatment standards for the waste contaminating the debris. The treatment standards must be met for each type of debris contained in a mixture of debris types, unless the debris is converted into treatment residue as a result of the treatment process. Debris treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

b) Definitions. For the purposes of this Table, the following terms are defined as follows:

"Clean debris surface" means the surface, when viewed without magnification, shall be free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area.

"Contaminant restriction" means that the technology is not BDAT for that contaminant. If debris containing a restricted contaminant is treated by the technology, the contaminant must be subsequently treated by a technology for which it is not restricted in order to be land disposed (and excluded from Subtitle C regulation).

"Dioxin-listed wastes" means wastes having any of EPA Hazardous Waste numbers F020, F021, F022, F023, F026, or F027.

c) Notes. In the Table, the following text is to be read in conjunction with the tabulated text where the appropriate notations appear:

[1] Acids, solvents, and chemical reagents may react with some debris and contaminants to form hazardous compounds. For example, acid washing of cyanide-contaminated debris could result in the formation of hydrogen cyanide. Some acids may also react violently with some debris and contaminants, depending on the concentration of the acid and the type of debris and contaminants. Debris treaters should refer to the safety precautions specified in Material Safety Data Sheets for various acids to avoid applying an incompatible acid to a particular debris/contaminant combination. For example, concentrated sulfuric acid may react violently with certain organic compounds, such as acrylonitrile.

[2] If reducing the particle size of debris to meet the treatment standards results in material that no longer meets

the 60 mm minimum particle size limit for debris, such material is subject to the waste-specific treatment standards for the waste contaminating the material, unless the debris has been cleaned and separated from contaminated soil and waste prior to size reduction. At a minimum, simple physical or mechanical means must be used to provide such cleaning and separation of nondebris materials to ensure that the debris surface is free of caked soil, waste, or other nondebris material.

[3] Thermal desorption is distinguished from thermal destruction in that the primary purpose of thermal desorption is to volatilize contaminants and to remove them from the treatment chamber for subsequent destruction or other treatment.

[4] The demonstration of "equivalent technology" under Section 728.142(b) must document that the technology treats contaminants subject to treatment to a level equivalent to that required by the performance and design and operating standards for other technologies in this table such that residual levels of hazardous contaminants will not pose a hazard to human health and the environment absent management controls.

[5] Any soil, waste, and other nondebris material that remains on the debris surface (or remains mixed with the debris) after treatment is considered a treatment residual that must be separated from the debris using, at a minimum, simple physical or mechanical means. Examples of simple physical or mechanical means are vibratory or trommel screening or water washing. The debris surface need not be cleaned to a "clean debris surface" as defined in subsection (b) above when separating treated debris from residue; rather, the surface must be free of caked soil, waste, or other nondebris material. Treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

Technology description	Performance or design and operating standard	Contaminant restrictions
A. Extraction Technologies:		
1. Physical Extraction		
a. Abrasive Blasting: Removal of contaminated debris surface layers using water and/or air pressure to propel a solid media (e.g., steel shot, aluminum oxide grit, plastic beads).	Glass, Metal, Plastic, Rubber: Treatment to a clean debris surface. Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Removal of at least 0.6 cm of the surface layer; treatment to a clean debris surface.	All Debris: None.

b. Scarification, Grinding, and Planing: Process utilizing striking piston heads, saws, or rotating grinding wheels such that contaminated debris surface layers are removed.	Same as above	Same as above
c. Spalling: Drilling or chipping holes at appropriate locations and depth in the contaminated debris surface and applying a tool which exerts a force on the sides of those holes such that the surface layer is removed. The surface layer removed remains hazardous debris subject to the debris treatment standards.	Same as above	Same as above
d. Vibratory Finishing: Process utilizing scrubbing media, flushing fluid, and oscillating energy such that hazardous contaminants or contaminated debris surface layers are removed.[1]	Same as above	Same as above
e. High Pressure Steam and Water Sprays: Application of water or steam sprays of sufficient temperature, pressure, residence time, agitation, surfactants, and detergents to remove hazardous contaminants from debris surfaces or to remove contaminated debris surface layers	Same as above	Same as above.
2. Chemical Extraction		

a. Water Washing and Spraying: Application of water sprays or water baths of sufficient temperature, pressure, residence time, agitation, surfactants, acids, bases, and detergents to remove hazardous contaminants from debris surfaces and surface pores or to remove contaminated debris surface layers.	All Debris: Treatment to a clean debris surface; Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 1.2 cm (½ inch) in one dimension (i.e., thickness limit,[2] except that this thickness limit may be waived under an "Equivalent Technology" approval under 35 Ill. Adm. Code 728.142(b);[4] debris surfaces must be in contact with water solution for at least 15 minutes	Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Contaminant must be soluble to at least 5% by weight in water solution or 5% by weight in emulsion; if debris is contaminated with a dioxin-listed waste,[3] an "Equivalent Technology" approval under 35 Ill. Adm. Code 728.142(b) must be obtained.[4]
b. Liquid Phase Solvent Extraction: Removal of hazardous contaminants from debris surfaces and surface pores by applying a nonaqueous liquid or liquid solution which causes the hazardous contaminants to enter the liquid phase and be flushed away from the debris along with the liquid or liquid solution while using appropriate agitation, temperature, and residence time.[1]	Same as above	Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Same as above, except that contaminant must be soluble to at least 5% by weight in the solvent.
c. Vapor Phase Solvent Extraction: Application of an organic vapor using sufficient agitation, residence time, and temperature to cause hazardous contaminants on contaminated debris surfaces and surface pores to enter the vapor phase and be flushed away with the organic vapor.[1]	Same as above, except that brick, cloth, concrete, paper, pavement, rock and wood surfaces must be in contact with the organic vapor for at least 60 minutes.	Same as above.
3. Thermal Extraction		

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a. High Temperature Metals Recovery: Application of sufficient heat, residence time, mixing, fluxing agents, and/or carbon in a smelting, melting, or refining furnace to separate metals from debris.	For refining furnaces, treated debris must be separated from treatment residuals using simple physical or mechanical means,[5] and, prior to further treatment, such residuals must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.	Debris contaminated with a dioxin-listed waste:[2] Obtain an "Equivalent Technology" approval under 35 Ill. Adm. Code 728.142(b).[4]
b. Thermal Desorption: Heating in an enclosed chamber under either oxidizing or nonoxidizing atmospheres at sufficient temperature and residence time to vaporize hazardous contaminants from contaminated surfaces and surface pores and to remove the contaminants from the heating chamber in a gaseous exhaust gas.[3]	All Debris: Obtain an "Equivalent Technology" approval under 35 Ill. Adm. Code 728.142(b);[4] treated debris must be separated from treatment residuals using simple physical or mechanical means,[5] and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris. Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 10 cm (4 inches) in one dimension (i.e., thickness limit),[2] except that this thickness limit may be waived under the "Equivalent Technology" approval	All Debris: Metals other than mercury.
B. Destruction Technologies:		

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1. Biological Destruction (Biodegradation): Removal of hazardous contaminants from debris surfaces and surface pores in an aqueous solution and biodegration of organic or nonmetallic inorganic compounds (i.e., inorganics that contain phosphorus, nitrogen, or sulfur) in units operated under either aerobic or anaerobic conditions.	All Debris: Obtain an "Equivalent Technology" approval under 35 Ill. Adm. Code 728.142(b);[4] treated debris must be separated from treatment residuals using simple physical or mechanical means,[5] and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris. Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 1.2 cm (½ inch) in one dimension (i.e., thickness limit),[2] except that this thickness limit may be waived under the "Equivalent Technology" approval	All Debris: Metal contaminants.
2. Chemical Destruction		
a. Chemical Oxidation: Chemical or electolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combination of reagents-(1) hypochlorite (e.g., bleach); (2) chlorine; (3) chlorine dioxide; (4) ozone or UV (ultraviolet light) assisted ozone; (5) peroxides; (6) persulfates; (7) perchlorates; (8) permanganates; and/or (9) other oxidizing reagents of equivalent destruction efficiency.[1] Chemical oxidation specifically includes what is referred to as alkaline chlorination.	All Debris: Obtain an "Equivalent Technology" approval under 35 Ill. Adm. Code.142(b);[4] treated debris must be separated from treatment residuals using simple physical or mechanical means,[5] and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris. Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 1.2 cm (½ inch) in one dimension (i.e., thickness limit),[2] except that this thickness limit may be waived under the "Equivalent Technology" approval	All Debris: Metal contaminants.

b. Chemical Reduction: Chemical reaction utilizing the following reducing reagents (or waste reagents) or combination of reagents: (1) sulfur dioxide; (2) sodium, potassium, or alkali salts of sulfites, bisulfites, and metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG); (3) sodium hydrosulfide; (4) ferrous salts; and/or (5) other reducing reagents of equivalent efficiency.[1]	Same as above	Same as above.
3. Thermal Destruction: Treatment in an incinerator operating in accordance with 35 Ill. Adm. Code 724.Subpart O or 35 Ill. Adm. Code 725.Subpart O; a boiler or industrial furnace operating in accordance with 35 Ill. Adm. Code 726.Subpart H, or other thermal treatment unit operated in accordance with 35 Ill. Adm. Code 724.Subpart X, or 35 Ill. Adm. Code 725.Subpart P, but excluding for purposes of these debris treatment standards Thermal Desorption units.	Treated debris must be separated from treatment residuals using simple physical or mechanical means,[3] and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.	Brick, Concrete, Glass, Metal, Pavement, Rock, Metal: Metals other than mercury, except that there are no metal restrictions for vitrification. Debris contaminated with a dioxin-listed waste.[3] Obtain an "Equivalent Technology" approval under 35 Ill. Adm. Code 728.142(b),[4] except that this requirement does not apply to vitrification.
C. Immobilization Technologies:		
1. Macroencapsulation: Application of surface coating materials such as polymeric organics (e.g., resins and plastics) or use of a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media.	Encapsulating material must completely encapsulate debris and be resistant to degradation by the debris and its contaminants and materials into which it may come into contact after placement (leachate, other waste, microbes).	None.

2. Microencapsulation: Stabilization of the debris with the following reagents (or waste reagents) such that the leachability of the hazardous contaminants is reduced: (1) Portland cement; or (2) lime/pozzolans (e.g., fly ash and cement kiln dust). Reagents (e.g., iron salts, silicates, and clays) may be added to enhance the set/cure time and/or compressive strength, or to reduce the leachability of the hazardous constituents.[2]	Leachability of the hazardous contaminants must be reduced.	None.
3. Sealing: Application of an appropriate material which adheres tightly to the debris surface to avoid exposure of the surface to potential leaching media. When necessary to effectively seal the surface, sealing entails pretreatment of the debris surface to remove foreign matter and to clean and roughen the surface. Sealing materials include epoxy, silicone, and urethane compounds, but paint may not be used as a sealant	Sealing must avoid exposure of the debris surface to potential leaching media and sealant must be resistent to degradation by the debris and its contaminants and materials into which it may come into contact after placement (leachate, other waste, microbes).	None.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

Section 728.Table G Alternative Treatment Standards Based on HMTR

Waste code	See Also	Regulated Hazardous Constituent	CAS No. for Regulated Hazardous Constituent	Nonwastewaters Concentration (mg/l) TCLP
F006	Tables A & B	Antimony	7440-36-0	2.1
		Arsenic	7440-38-2	0.055
		Barium	7440-39-3	7.6
		Beryllium	7440-41-7	0.014
		Cadmium	7440-43-9	0.19
		Chromium (total)	7440-47-32	0.33

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		Cyanide (mg/kg) (total)	57-12-5	1.8
		Lead	7439-92-1	0.37
		Mercury	7439-97-6	0.009
		Nickel	7440-02-0	5.0
		Selenium	7782-49-2	0.16
		Silver	7440-22-4	0.30
		Thallium		0.078
		Zinc	7440-66-6	5.3
K062	Tables A & B	Antimony	7440-36-0	2.1
		Arsenic	7440-38-2	0.055
		Barium	7440-39-3	7.6
		Beryllium	7440-41-7	0.014
		Cadmium	7440-43-9	0.19
		Chromium (total)	7440-47-32	0.33
		Lead	7439-92-1	0.37
		Mercury	7439-97-6	0.009
		Nickel	7440-02-0	5.0
		Selenium	7782-49-2	0.16
		Silver	7440-22-4	0.30
		Thallium		0.078
		Zinc	7440-66-6	5.3

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: RCRA Permit Program

2) Code Citation: 35 Ill. Adm. Code 703

3) Section Numbers: Adopted Action:

703.155	Amendment
703.181	Amendment
703.183	Amendment
703.280	Amendment
703.Appendix A	Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9417 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

15) Summary and purpose of rulemaking:

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A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

The amendments to Part 703 generally reflect the addition of the terms "containment building" and "hazardous debris" to the RCRA program.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

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NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER b: PERMITS

PART 703
RCRA PERMIT PROGRAM

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Section
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703.101 Purpose
703.110 References

SUBPART B: PROHIBITIONS

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703.121 RCRA Permits
703.122 Specific Inclusions in Permit Program
703.123 Specific Exclusions from Permit Program
703.124 Discharges of Hazardous Waste
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SUBPART C: AUTHORIZATION BY RULE AND INTERIM STATUS

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703.141 Permits by Rule
703.150 Application by Existing HWM Facilities and Interim Status Qualifications
703.151 Application by New HWM Facilities
703.152 Amended Part A Application
703.153 Qualifying for Interim Status
703.154 Prohibitions During Interim Status
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703.240 Permit Denial
703.241 Establishing Permit Conditions
703.242 Noncompliance Pursuant to Emergency Permit
703.243 Monitoring
703.244 Notice of Planned Changes
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703.246 Reporting Requirements
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SUBPART G: CHANGES TO PERMITS

Section
703.260 Transfer
703.270 Modification
703.271 Causes for Modification
703.272 Causes for Modification or Reissuance
703.273 Facility Siting
703.280 Permit Modification at the Request of the Permittee
703.281 Class 1 Modifications
703.282 Class 2 Modifications
703.283 Class 3 Modifications

703.Appendix A Classification of Permit Modifications

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27]).

SOURCE: Adopted in R82-19, 53 PCB 131, at 7 Ill. Reg. 14289, effective October 12, 1983; amended in R83-24 at 8 Ill. Reg. 206, effective December 27, 1983; amended in R84-9 at 9 Ill. Reg. 11899, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1110, effective January 2, 1987; amended in R85-23 at 10 Ill. Reg. 13284, effective July 28, 1986; amended in R86-1 at 10 Ill. Reg. 14093, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20702, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6121, effective

March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13543, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19383, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2584, effective January 15, 1988; amended in R87-39 at 12 Ill. Reg. 13069, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 447, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18477, effective November 13, 1989; amended in R89-9 at 14 Ill. Reg. 6278, effective April 16, 1990; amended in R90-2 at 14 Ill. Reg. 14492, effective August 22, 1990; amended in R90-11 at 15 Ill. Reg. 9616, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14554, effective September 30, 1991; amended in R91-13 at 16 Ill Reg. 9767, effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5774, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. _____, effective November 22, 1993.

SUBPART C: AUTHORIZATION BY RULE AND INTERIM STATUS

Section 703.155 Changes During Interim Status

a) Except as provided in subsection (b), below, the owner or operator of an interim status facility may make the following changes at the facility:

1) Treatment, storage or disposal of new hazardous wastes not previously identified in Part A of the permit application (and, in the case of newly listed or identified wastes, addition of the units being used to treat, store or dispose of the hazardous wastes on the date of the listing or identification) if the owner or operator submits a revised Part A permit application prior to such treatment, storage or disposal;

2) Increases in the design capacity of processes used at the facility if the owner or operator submits a revised Part A permit application prior to such a change (along with a justification explaining the need for the change) and the Agency approves the change because:

A) There is a lack of available treatment, storage or disposal capacity at other hazardous waste management facilities; or

B) The change is necessary to comply with a federal, State or local requirement, including 35 Ill. Adm. Code 725, 728 or 729.

3) Changes in the processes for the treatment, storage or disposal of hazardous waste may be made at a facility or addition of processes may be added if the owner or operator submits a revised Part A permit application prior to such a change (along with a justification explaining the need for change) and the Agency approves the change because:

A) The change is necessary to prevent a threat to human health or the environment because of an emergency situation; or

B) The change is necessary to comply with a Federal, State or local requirement, including 35 Ill. Adm.

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Code 725, 728 or 729;

4) Changes in the ownership or operational control of a facility if the new owner or operator submits a revised Part A permit application no later than 90 days prior to the scheduled change. When a transfer of ownership or operational control of a facility occurs, the old owner or operator shall comply with the requirements of 35 Ill. Adm. Code 725.Subpart H (financial requirements), until the new owner or operator has demonstrated to the Agency that it is complying with the requirements of that Subpart. The new owner or operator shall demonstrate compliance with the financial assurance requirements within six months after the date of the change in the ownership or operational control of the facility. Upon demonstration to the Agency by the new owner or operator of compliance with the financial assurance requirements, the Agency shall notify the old owner or operator in writing that the old owner or operator no longer needs to comply with 35 Ill. Adm. Code 725.Subpart H as of the date of demonstration. All other interim status duties are transferred effective immediately upon the date of the change of ownership or operational control of the facility;

5) Changes made in accordance with an interim status corrective action order issued by: USEPA under Section 3008(h) of the Resource Conservation and Recovery Act or other federal authority; a court pursuant to a judicial action brought USEPA; a court pursuant to the Environmental Protection Act; or, the Board. Changes under this subsection are limited to the treatment, storage or disposal of solid waste from releases that originate within the boundary of the facility.

6) Addition of newly regulated units for the treatment, storage or disposal of hazardous waste if the owner or operator submits a revised Part A permit application on or before the date on which the unit becomes subject to the new requirements.

b) Except as specifically allowed under this subsection, changes listed under subsection (a), above, must not be made if they amount to reconstruction of the HWM facility. Reconstruction occurs when the capital investment in the changes to the facility exceeds fifty percent of the capital cost of a comparable entirely new HWM facility. If all other requirements are met, the following changes may be made even if they amount to a reconstruction:

1) Changes made solely for the purposes of complying with requirements of 35 Ill. Adm. Code 725.293 for tanks and ancillary equipment.

2) If necessary to comply with federal, State or local requirements, including 35 Ill. Adm. Code 725, 728 or 729, changes to an existing unit, changes solely involving tanks or containers, or addition of replacement surface impoundments that satisfy the statutory standards of Section 35 Ill. Adm. Code 728.139.

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3) Changes that are necessary to allow owners or operators to continue handling newly listed or identified hazardous wastes that have been treated, stored or disposed of at the facility prior to the effective date of the rule establishing the new listing or identification.

4) Changes during closure of a facility or of a unit within a facility made in accordance with an approved closure plan.

5) Changes necessary to comply with an interim status corrective action order issued by: USEPA under Section 3008(h) of the Resource Conservation and Recovery Act or other federal authority; a court pursuant to a judicial action brought by USEPA; a court pursuant to the Environmental Protection Act; or, the Board. Changes under this subsection are limited to the treatment, storage or disposal of solid waste from releases that originate within the boundary of the facility.

6) Changes to treat or store, in tanks, ~~or~~ containers or containment buildings, hazardous wastes subject to land disposal restrictions imposed in 35 Ill. Adm. Code 728, provided that such changes are made solely for the purpose of complying with 35 Ill. Adm. Code 728.

7) Addition of newly regulated units under subsection (a)(6), above.

(Board Note: Derived from 40 CFR 270.72 (1990, as amended ~~55 Fed. Reg. 7206, February 21, 1991~~57 Fed. Reg. 37281, August 18, 1992.)

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART D: APPLICATIONS

Section 703.181 Contents of Part A

In addition to the information in 35 Ill. Adm. Code 702.123, Part A of the RCRA application shall include the following information:

a) The latitude and longitude of the facility;

(BOARD NOTE: Derived from 40 CFR 270.13(b).)

b) The name, address and telephone number of the owner of the facility;

(BOARD NOTE: Derived from 40 CFR 270.13(e).)

c) An indication of whether the facility is new or existing and whether it is a first or revised application;

(BOARD NOTE: Derived from 40 CFR 270.13(g).)

d) For existing facilities, a scale drawing of the facility showing the location of all past, present and future treatment, storage

and disposal areas;

(BOARD NOTE: Derived from 40 CFR 270.13(h)(1).)

e) For existing facilities, photographs of the facility clearly delineating all existing structures; existing treatment, storage and disposal areas; and sites of future treatment, storage and disposal areas;

(BOARD NOTE: Derived from 40 CFR 270.13(h)(2).)

f) A description of the processes to be used for treating, storing and disposing of hazardous waste, and the design capacity of these items;

(BOARD NOTE: Derived from 40 CFR 270.13(i).)

g) A specification of the hazardous wastes listed or designated under 35 Ill. Adm. Code 721 to be treated, stored or disposed at the facility, an estimate of the quantity of such wastes to be treated, stored or disposed annually, and a general description of the processes to be used for such wastes.

(BOARD NOTE: Derived from 40 CFR 270.13(j).)

h) For hazardous debris, a description of the debris category(ies) and containment category(ies) to be treated, stored, or disposed of at the facility.

(BOARD NOTE: Derived from 40 CFR 270.13(n).) ~~See 40 CFR 122.24)~~

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 703.183 General Information

The following information is required in the Part B application for all HWM facilities, except as 35 Ill. Adm. Code 724.101 provides otherwise:

a) A general description of the facility;

b) Chemical and physical analyses of the hazardous wastes and hazardous debris to be handled at the facility. At a minimum, these analyses must contain all the information which must be known to treat, store or dispose of the wastes properly in accordance with 35 Ill. Adm. Code 724;

c) A copy of the waste analysis plan required by 35 Ill. Adm. Code 724.113(b) and, if applicable, 35 Ill. Adm. Code 724.113(c);

d) A description of the security procedures and equipment required by 35 Ill. Adm. Code 724.114, or a justification demonstrating the reasons for requesting a waiver of this requirement;

e) A copy of the general inspection schedule required by 35 Ill. Adm. Code 724.115(b). Include where applicable, as part of the inspection schedule, specific requirements in 35 Ill. Adm. Code 724.274, 724.293(i), 724.295, 724.326, 724.354, 724.373, 724.403, 724.702, 724.933, 724.952, 924.953 and 724.958;

f) A justification of any request for a waiver of the preparedness and prevention requirements of 35 Ill. Adm. Code 724.Subpart C;

g) A copy of the contingency plan required by 35 Ill. Adm. Code 724.Subpart D;

BOARD NOTE: Include, where applicable, as part of the contingency plan, specific requirements in 35 Ill. Adm. Code 724.327 and 724.355. 35 Ill. Adm. Code 724.355 has not yet been adopted.

h) A description of procedures, structures or equipment used at the facility to:

1) Prevent hazards in unloading operations (for example, ramps, special forklifts);

2) Prevent runoff from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (for example, berms, dikes, trenches);

3) Prevent contamination of water supplies;

4) Mitigate effects of equipment failure and power outages;

5) Prevent undue exposure of personnel to hazardous waste (for example, protective clothing); and

6) Prevent releases to the atmosphere.

i) A description of precautions to prevent accidental ignition or reaction of ignitable, reactive or incompatible wastes as required to demonstrate compliance with 35 Ill. Adm. Code 724.117 including documentation demonstrating compliance with 35 Ill. Adm. Code 724.117(c);

j) Traffic pattern, estimated volume (number, types of vehicles) and control (for example, show turns across traffic lanes and stacking lanes (if appropriate); describe access road surfacing and load bearing capacity; show traffic control signals);

k) Facility location information as required by Section 703.184;

l) An outline of both the introductory and continuing training programs by owners or operators to prepare persons to operate or maintain the HWM facility in a safe manner as required to demonstrate compliance with 35 Ill. Adm. Code 724.116. A brief description of how training will be designed to meet actual job tasks in accordance with requirements in 35 Ill. Adm. Code 724.116(a)(3);

m) A copy of the closure plan and, where applicable, the post-closure plan required by 35 Ill. Adm. Code 724.212, 724.218 and 724.297. Include where applicable, as part of the plans, specific requirements in 35 Ill. Adm. Code 724.278, 724.297, 724.328, 724.358, 724.380, 724.410, 724.451, 724.701 and 724.703;

n) For hazardous waste disposal units that have been closed, documentation that notices required under 35 Ill. Adm Code 724.219

have been filed;

o) The most recent closure cost estimate for the facility prepared in accordance with 35 Ill. Adm. Code 724.242 and a copy of the documentation required to demonstrate financial assurance under 35 Ill. Adm. Code 724.243. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if it is later than the submission of the Part B;

p) Where applicable, the most recent post-closure cost estimate for the facility prepared in accordance with 35 Ill. Adm. Code 724.244 plus a copy of the documentation required to demonstrate financial assurance under 35 Ill. Adm. Code 724.245; For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if it is later than the submission of the Part B;

q) Where applicable, a copy of the insurance policy or other documentation which comprises compliance with the requirements of 35 Ill. Adm. Code 724.247. For a new facility, documentation showing the amount of insurance meeting the specification of 35 Ill. Adm. Code 724.247(a) and, if applicable, 35 Ill. Adm. Code 724.247(b), that the owner or operator plans to have in effect before initial receipt of hazardous waste for treatment, storage or disposal. A request for an alternative level of required coverage, for a new or existing facility, may be submitted as specified in 35 Ill. Adm. Code 724.247(c);

~~s~~r) A topographic map showing a distance of 1000 feet around the facility at a scale of 2.5 centimeters (1 inch) equal to not more than 61.0 meters (200 feet). Contours must be shown on the map. The contour interval must be sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility. For example, contours with an interval of 1.5 meters (5 feet), if relief is greater than 6.1 meters (20 feet), or an interval of 0.6 meters (2 feet), if relief is less than 6.1 meters (20 feet). Owners and operators of HWM facilities located in mountainous areas shall use larger contour intervals to adequately show topographic profiles of facilities. The map must clearly show the following:

1) Map scale and date;

2) 100-year floodplain area;

3) Surface waters including intermittent streams;

4) Surrounding land uses (residential, commercial, agricultural, recreational);

5) A wind rose (i.e., prevailing windspeed and direction);

6) Orientation of the map (north arrow);

7) Legal boundaries of the HWM facility site;

8) Access control (fences, gates);

9) Injection and withdrawal wells both on-site and off-site;

10) Buildings; treatment, storage or disposal operations; or other structures (recreation areas, runoff control systems, access and internal roads, storm, sanitary and process sewage systems, loading and unloading areas, fire control facilities, etc.);

11) Barriers for drainage or flood control;

12) Location of operational units within the HWM facility site, where hazardous waste is (or will be) treated, stored or disposed (include equipment cleanup areas);

BOARD NOTE: For large HWM facilities, the Agency shall allow the use of other scales on a case by case basis.

~~t~~s) Applicants shall submit such information as the Agency determines is necessary for it to determine whether to issue a permit and what conditions to impose in any permit issued.

~~u~~t) For land disposal facilities, if a case-by-case extension has been approved under 35 Ill. Adm. Code 728.105, or if a petition has been approved under 35 Ill. Adm. Code 728.106, a copy of the notice of approval of the extension or of approval of the petition is required.

BOARD NOTE: Derived from 40 CFR 270.14(b) (1988), as amended at ~~54 Fed. Reg. 617, January 9, 1989~~ 57 Fed. Reg. 37281, August 18, 1992.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART G: CHANGES TO PERMITS

Section 703.280 Permit Modification at the Request of the Permittee

a) Class 1 modifications. See Section 703.281.

b) Class 2 modifications. See Section 703.282.

c) Class 3 modifications. See Section 703.283.

d) Other modifications.

1) In the case of modifications not explicitly listed in Appendix A, the permittee may submit a Class 3 modification request to the Agency, or the permittee may request a determination by the Agency that the modification be reviewed and approved as a Class 1 or Class 2 modification. If the permittee requests that the modification be classified as a Class 1 or 2 modification, the permittee shall provide the Agency with the necessary information to support the requested classification.

2) The Agency shall make the determination described in subsection (d)(1), above, a promptly as practicable. In

determining the appropriate class for a specific modification, the Agency shall consider the similarity of the modification to other modifications codified in Appendix A and the following criteria:

A) Class 1 modification apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the Agency may require prior approval.

B) Class 2 modifications apply to changes that are necessary to enable a permittee to respond, in a timely manner, to

i) Common variations in the types and quantities of the wastes managed under the facility permit,

ii) Technological advances, and

iii) Changes necessary to comply with new regulations, where these changes can be implemented without substantially changing design specifications or management practices in the permit.

C) Class 3 modifications substantially alter the facility or its operation.

e) Temporary authorizations.

1) Upon request of the permittee, the Agency shall, without prior public notice and comment, grant the permittee a temporary authorization in accordance with this subsection. Temporary authorizations have a term of not more than 180 days.

2) Procedures.

A) The permittee may request a temporary authorization for:

i) Any Class 2 modification meeting the criteria in subsection (e)(3)(B), below, and

ii) Any Class 3 modification that meets the criteria in subsection (e)(3)(B)(i), below; or that meets the criteria in subsection (e)(3)(B)(iii) through (v), below, and provides improved management or treatment of a hazardous waste already listed in the facility permit.

B) The temporary authorization request must include:

i) A description of the activities to be conducted under the temporary authorization;

ii) An explanation of why the temporary authorization is necessary; and

iii) Sufficient information to ensure compliance with 35 Ill. Adm. Code 724 standards.

C) The permittee shall send a notice about the temporary authorization request to all persons on the facility mailing list maintained by the Agency and to appropriate units of State and local governments as specified in 35 Ill. Adm. Code 705.163(a)(5). This notification must be made within seven days after submission of the authorization request.

3) The Agency shall approve or deny the temporary authorization as quickly as practical. To issue a temporary authorization, the Agency shall find:

A) The authorized activities are in compliance with the standards of 35 Ill. Adm. Code 724.

B) The temporary authorization is necessary to achieve one of the following objectives before action is likely to be taken on a modification request:

i) To facilitate timely implementation of closure or corrective action activities;

ii) To allow treatment or storage in tanks~~, or~~, containers or in containment buildings~~of restricted wastes~~in accordance with 35 Ill. Adm.Code 728;

iii) To prevent disruption of ongoing waste management activities;

iv) To enable the permittee to respond to sudden changes in the types or quantities of the wastes managed under the facility permit; or

v) To facilitate other changes to protect human health and the environment.

4) A temporary authorization shall be reissued for one additional term of up to 180 days provided that the permittee has requested a Class 2 or 3 permit modification for the activity covered in the temporary authorization, and:

A) The reissued temporary authorization constitutes the Agency's decision on a Class 2 permit modification in accordance with Section 703.282(f)(1)(D) or (f)(2)(D), or

B) The Agency determines that the reissued temporary authorization involving a Class 3 permit modification request is warranted to allow the authorized activities to continue while the modification

procedures of 35 Ill. Adm. Code 703.283 are conducted.

f) Public notice and appeals of permit modification decisions.

1) The Agency shall notify persons on the facility mailing list and appropriate units of State and local government within 10 days of any decision to grant or deny a Class 2 or 3 permit modification request. The Agency shall also notify such persons within 10 days after an automatic authorization for a Class 2 modification goes into effect under Section 703.282(f)(3) or (f)(5).

2) The Agency's decision to grant or deny a Class 2 or 3 permit modification request may be appealed under the permit appeal procedures of 35 Ill. Adm. Code 705.212.

3) An automatic authorization that goes into effect under Section 703.282(f)(3) or (f)(5) may be appealed under the permit appeal procedures of 35 Ill. Adm. Code 705.212; however, the permittee may continue to conduct the activities pursuant to the automatic authorization until the Board enters a final order on the appeal notwithstanding the provisions of 35 Ill. Adm. Code 705.204.

g) Newly regulated wastes and units.

1) The permittee is authorized to continue to manage wastes listed or identified as hazardous under 35 Ill. Adm. Code 721, or to continue to manage hazardous waste in units newly regulated as hazardous waste management units, if:

A) The unit was in existence as a hazardous waste facility with respect to the newly listed or characterized waste or newly regulated waste management unit on the effective date of the final rule listing or identifying the waste, or regulating the unit;

B) The permittee submits a Class 1 modification request on or before the date on which the waste becomes subject to the new requirements;

C) The permittee is in compliance with the applicable standards of 35 Ill. Adm. Code 725 and 726;

D) The permittee also submits a complete class 2 or 3 modification request within 180 days after the effective date of the rule listing or identifying the waste, or subjecting the unit to management standards under 35 Ill. Adm. Code 724, 725 or 726; and

E) In the case of land disposal units, the permittee certifies that such unit is in compliance with all applicable requirements of 35 Ill. Adm. Code 725 for groundwater monitoring and financial responsibility requirements on the date 12 months after the effective date of the rule identifying or listing the waste as hazardous, or regulating the unit as a hazardous waste

management unit. If the owner or operator fails to certify compliance with all these requirements, the owner or operator loses authority to operate under this Section.

2) New wastes or units added to a facility's permit under this subsection do not constitute expansions for the purpose of the 25 percent capacity expansion limit for Class 2 modifications.

h) Permit modification list. The Agency shall maintain a list of all approved permit modifications and shall publish a notice once a year in a State-wide newspaper that an updated list is available for review.

Board Note: Derived from 40 CFR 270.42(d) through (h) (1990), as amended at 56 Fed. Reg. 7206, February 21, 1991, and at 56 Fed. Reg. 32688, July 17, 1991.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 703.Appendix A Classification of Permit Modifications

Class Modifications

A. General Permit Provisions

1	1.	Administrative and informational changes.
1	2.	Correction of typographical errors.
1	3.	Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls).
	4.	Changes in the frequency of or procedures for monitoring, reporting, sampling or maintenance activities by the permittee:
1	a.	To provide for more frequent monitoring, reporting or maintenance.
2	b.	Other changes.
	5.	Schedule of compliance:
1*	a.	Changes in interim compliance dates, with prior approval of the Agency. BOARD NOTE: "*" indicates that prior Agency approval is required.
3	b.	Extension of final compliance date.
1*	6.	Changes in expiration date of permit to allow earlier permit termination, with prior approval of the Agency.
1*	7.	Changes in ownership or operational control of a facility,

provided the procedures of Section 703.260(b) are followed.

B. General Facility Standards

1. Changes to waste sampling or analysis methods:

1 a. To conform with Agency guidance or Board regulations.

1 b. To incorporate changes associated with F039 (multi-source leachate) sampling or analysis methods.

2 c. Other changes.

2. Changes to analytical quality assurance/control plan:

1 a. To conform with agency guidance or regulations.

2 b. Other changes.

1 3. Changes in procedures for maintaining the operating record.

2 4. Changes in frequency or content of inspection schedules.

5. Changes in the training plan:

2 a. That affect the type or decrease the amount of training given to employees.

1 b. Other changes.

6. Contingency plan:

2 a. Changes in emergency procedures (i.e., spill or release response procedures).

1 b. Replacement with functionally equivalent equipment, upgrade or relocate emergency equipment listed.

2 c. Removal of equipment from emergency equipment list.

1 d. Changes in name, address or phone number of coordinators or other persons or agencies identified in the plan.

Note: When a permit modification (such as introduction of a new unit) requires a change in facility plans or other general facility standards, that change must be reviewed under the same procedures as the permit modification.

7. CQA plan:

1 a. Changes that the CQA officer certifies in the operating record will provide equivalent or better certainty that the unit components meet the design specifications.

2 b. Other changes.

C. Groundwater Protection

1. Changes to wells:

2 a. Changes in the number, location, depth or design of upgradient or downgradient wells of permitted groundwater monitoring system.

1 b. Replacement of an existing well that has been damaged or rendered inoperable, without change to location, design or depth of the well.

1* 2. Changes in groundwater sampling or analysis procedures or monitoring schedule, with prior approval of the Agency.

1* 3. Changes in statistical procedure for determining whether a statistically significant change in groundwater quality between upgradient and downgradient wells has occurred, with prior approval of the Agency.

2* 4. Changes in point of compliance.

5. Changes in indicator parameters, hazardous constituents or concentration limits (including ACLs (Alternate Concentration Limits)):

3 a. As specified in the groundwater protection standard.

2 b. As specified in the detection monitoring program.

2 6. Changes to a detection monitoring program as required by 35 Ill. Adm. Code 724.198(j), unless otherwise specified in this Appendix.

7. Compliance monitoring program:

3 a. Addition of compliance monitoring program as required by 35 Ill. Adm. Code 724.198(h)(4) and 724.199.

2 b. Changes to a compliance monitoring program as required by 35 Ill. Adm. Code 724.199(k), unless otherwise specified in this Appendix.

8. Corrective action program:

3 a. Addition of a corrective action program as required by 35 Ill. Adm. Code 724.199(i)(2) and 724.200.

2 b. Changes to a corrective action program as required by 35 Ill. Adm. Code 724.200(h), unless otherwise specified in this Appendix.

D. Closure

1. Changes to the closure plan:

1* a. Changes in estimate of maximum extent of operations or maximum inventory of waste on-site at any time during

the active life of the facility, with prior approval of the Agency.

1* b. Changes in the closure schedule for any unit, changes in the final closure schedule for the facility or extension of the closure period, with prior approval of the Agency.

1* c. Changes in the expected year of final closure, where other permit conditions are not changed, with prior approval of the Agency.

1* d. Changes in procedures for decontamination of facility equipment or structures, with prior approval of the Agency.

2 e. Changes in approved closure plan resulting from unexpected events occurring during partial or final closure, unless otherwise specified in this Appendix.

2 f. Extension of the closure period to allow a landfill, surface impoundment or land treatment unit to receive non-hazardous wastes after final receipt of hazardous wastes under 35 Ill. Adm. Code 724.213(d) or (e).

3 2. Creation of a new landfill unit as part of closure.

3. Addition of the following new units to be used temporarily for closure activities:

3 a. Surface impoundments.

3 b. Incinerators.

3 c. Waste piles that do not comply with 35 Ill. Adm. Code 724.350(c).

2 d. Waste piles that comply with 35 Ill. Adm. Code 724.350(c).

2 e. Tanks or containers (other than specified below).

1* f. Tanks used for neutralization, dewatering, phase separation or component separation, with prior approval of the Agency.

E. Post-Closure

1 1. Changes in name, address or phone number of contact in post-closure plan.

2 2. Extension of post-closure care period.

3 3. Reduction in the post-closure care period.

1 4. Changes to the expected year of final closure, where other permit conditions are not changed.

2 5. Changes in post-closure plan necessitated by events occurring during the active life of the facility, including partial and final closure.

F. Containers

1. Modification or addition of container units:

3 a. Resulting in greater than 25% increase in the facility's container storage capacity, except as provided in F(1)(c) and F(4)(a).

2 b. Resulting in up to 25% increase in the facility's container storage capacity, except as provided in F(1)(c) and F(4)(a).

1 c. Or treatment processes necessary to treat wastes that are restricted from land disposal to meet some or all of the applicable treatment standards or to treat wastes to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, with prior approval of the Agency. This modification may also involve the addition of new waste codes or narrative description of wastes. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

2.

2 a. Modification of a container unit without increasing the capacity of the unit.

1 b. Addition of a roof to a container unit without alteration of the containment system.

3. Storage of different wastes in containers, except as provided in F(4):

3 a. That require additional or different management practices from those authorized in the permit.

2 b. That do not require additional or different management practices from those authorized in the permit.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

4. Storage or treatment of different wastes in containers:

2 a. That require addition of units or change in treatment process or management standards, provided that the wastes are restricted from land disposal and are to be treated to meet some or all of the applicable treatment standards, or are to be treated to satisfy (in whole or in part) the standard of "use of

practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

1 b. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

G. Tanks

1.

3 a. Modification or addition of tank units resulting in greater than 25% increase in the facility's tank capacity, except as provided in paragraphs G(1)(c), G(1)(d) and G(1)(e).

2 b. Modification or addition of tank units resulting in up to 25% increase in the facility's tank capacity, except as provided in paragraphs G(1)(d) and G(1)(e).

2 c. Addition of a new tank that will operate for more than 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation or component separation.

1* d. After prior approval of the Agency, addition of a new tank that will operate for up to 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation or component separation.

1 e. Modification or addition of tank units or treatment processes that are necessary to treat wastes that are restricted from land disposal to meet some or all of the applicable treatment standards or to treat wastes to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, with prior approval of the Agency. This modification may also involve the addition of new waste codes. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

2 2. Modification of a tank unit or secondary containment system without increasing the capacity of the unit.

1 3. Replacement of a tank with a tank that meets the same design standards and has a capacity within +/- 10% of the replaced tank provided:

a. The capacity difference is no more than 1500 gallons,

b. The facility's permitted tank capacity is not increased and

c. The replacement tank meets the same conditions in the permit.

2 4. Modification of a tank management practice.

5. Management of different wastes in tanks:

3 a. That require additional or different management practices, tank design, different fire protection specifications or significantly different tank treatment process from that authorized in the permit, except as provided in paragraph G(5)(c).

2 b. That do not require additional or different management practices, tank design, different fire protection specification or significantly different tank treatment process than authorized in the permit, except as provided in paragraph G(5)(d).

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

1 c. That require addition of units or change in treatment processes or management standards, provided that the wastes are restricted from land disposal and are to be treated to meet some or all of the applicable treatment standards, or that are to be treated to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108. The modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

1 d. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

H. Surface Impoundments

3 1. Modification or addition of surface impoundment units that result in increasing the facility's surface impoundment storage or treatment capacity.

3 2. Replacement of a surface impoundment unit.

2 3. Modification of a surface impoundment unit without

increasing the facility's surface impoundment storage or treatment capacity and without modifying the unit's liner, leak detection system or leachate collection system.

2 4. Modification of a surface impoundment management practice.

5. Treatment, storage or disposal of different wastes in surface impoundments:

3 a. That require additional or different management practices or different design of the liner or leak detection system than authorized in the permit.

2 b. That do not require additional or different management practices or different design of the liner or leak detection system than authorized in the permit.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

1 c. That are wastes restricted from land disposal that meet the applicable treatment standards or that are treated to satisfy the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, and provided that the unit meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105. This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

1 d. That are residues from wastewater treatment or incineration, provided the disposal occurs in a unit that meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105, and provided further that the surface impoundment has previously received wastes of the same type (for example, incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

1* 6. Modifications of unconstructed units to comply with 35 Ill. Adm. Code 724.321(c), 724.322, 724.323 and 724.326(d).

7. Changes in response action plan:

3 a. Increase in action leakage rate.

3 b. Change in a specific response reducing its frequency or effectiveness.

2 c. Other changes.

I. Enclosed Waste Piles. For all waste piles, except those complying

with 35 Ill. Adm. Code 724.350(c), modifications are treated the same as for a landfill. The following modifications are applicable only to waste piles complying with 35 Ill. Adm. Code 724.350(c).

1. Modification or addition of waste pile units:

3 a. Resulting in greater than 25% increase in the facility's waste pile storage or treatment capacity.

2 b. Resulting in up to 25% increase in the facility's waste pile storage or treatment capacity.

2 2. Modification of waste pile unit without increasing the capacity of the unit.

1 3. Replacement of a waste pile unit with another waste pile unit of the same design and capacity and meeting all waste pile conditions in the permit.

2 4. Modification of a waste pile management practice.

5. Storage or treatment of different wastes in waste piles:

3 a. That require additional or different management practices or different design of the unit.

2 b. That do not require additional or different management practices or different design of the unit.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

2 6. Conversion of an enclosed waste pile to a containment building unit.

J. Landfills and Unenclosed Waste Piles

3 1. Modification or addition of landfill units that result in increasing the facility's disposal capacity.

3 2. Replacement of a landfill.

3 3. Addition or modification of a liner, leachate collection system, leachate detection system, run-off control or final cover system.

2 4. Modification of a landfill unit without changing a liner, leachate collection system, leachate detection system, run-off control or final cover system.

2 5. Modification of a landfill management practice.

6. Landfill different wastes:

3 a. That require additional or different management practices, different design of the liner, leachate collection system or leachate detection system.

2 b. That do not require additional or different management practices, different design of the liner, leachate collection system or leachate detection system.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

1 c. That are wastes restricted from land disposal that meet the applicable treatment standards or that are treated to satisfy the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, and provided that the landfill unit meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105. This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

1 d. That are residues from wastewater treatment or incineration, provided the disposal occurs in a landfill unit that meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105, and provided further that the landfill has previously received wastes of the same type (for example, incinerator ash). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

1* 7. Modification of unconstructed units to comply with 35 Ill. Adm. Code 724.351(c), 724.352, 724.353, 724.354(c), 724.401(c), 724.402, 724.403(c) and 724.404.

8. Changes in response action plan:

3 a. Increase in action leakage rate.

3 b. Change in a specific response reducing its frequency or effectiveness.

2 c. Other changes.

K. Land Treatment

3 1. Lateral expansion of or other modification of a land treatment unit to increase area extent.

2 2. Modification of run-on control system.

3 3. Modify run-off control system.

2 4. Other modification of land treatment unit component specifications or standards required in permit.

5. Management of different wastes in land treatment units:

3 a. That require a change in permit operating conditions or unit design specifications.

2 b. That do not require a change in permit operating conditions or unit design specifications.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

6. Modification of a land treatment unit management practice to:

3 a. Increase rate or change method of waste application.

1 b. Decrease rate of waste application.

2 7. Modification of a land treatment unit management practice to change measures of pH or moisture content or to enhance microbial or chemical reactions.

3 8. Modification of a land treatment unit management practice to grow food chain crops, to add to or replace existing permitted crops with different food chain crops or to modify operating plans for distribution of animal feeds resulting from such crops.

3 9. Modification of operating practice due to detection of releases from the land treatment unit pursuant to 35 Ill. Adm. Code 724.378(g)(2).

3 10. Changes in the unsaturated zone monitoring system resulting in a change to the location, depth, number of sampling points or replace unsaturated zone monitoring devices or components of devices with devices or components that have specifications different from permit requirements.

2 11. Changes in the unsaturated zone monitoring system that do not result in a change to the location, depth, number of sampling points, or that replace unsaturated zone monitoring devices or components of devices with devices or components having specifications different from permit requirements.

2 12. Changes in background values for hazardous constituents in soil and soil-pore liquid.

2 13. Changes in sampling, analysis or statistical procedure.

2 14. Changes in land treatment demonstration program prior to or during the demonstration.

1* 15. Changes in any condition specified in the permit for a land treatment unit to reflect results of the land treatment demonstration, provided performance standards are met, and the Agency's prior approval has been received.

1* 16. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have

not shown the conditions under which the wastes can be treated completely, provided the conditions for the second demonstration are substantially the same as the conditions for the first demonstration and have received the prior approval of the Agency.

3 17. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, where the conditions for the second demonstration are not substantially the same as the conditions for the first demonstration.

2 18. Changes in vegetative cover requirements for closure.

L. Incinerators, Boilers and Industrial Furnaces

3 1. Changes to increase by more than 25% any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit or an ash feed rate limit. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.

2 2. Changes to increase by up to 25% any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit or an ash feed rate limit. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.

3 3. Modification of an incinerator, boiler or industrial furnace unit by changing the internal size or geometry of the primary or secondary combustion units, by adding a primary or secondary combustion unit, by substantially changing the design of any component used to remove HCl/Cl_2, metals or particulate from the combustion gases or by changing other features of the incinerator, boiler or industrial furnace that could affect its capability to meet the regulatory performance standards. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards, unless this demonstration can be made through other means.

2 4. Modification of an incinerator, boiler or industrial furnace unit in a manner that will not likely affect the capability of the unit to meet the regulatory performance standards but which will change the operating conditions or monitoring requirements specified in the permit. The Agency may require a new trial burn to demonstrate compliance with the regulatory performance standards.

5. Operating requirements:

3 a. Modification of the limits specified in the permit for minimum or maximum combustion gas temperature, minimum

combustion gas residence time, oxygen concentration in the secondary combustion chamber, flue gas carbon monoxide or hydrocarbon concentration, maximum temperature at the inlet to the PM emission control system or operating parameters for the air pollution control system. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.

3 b. Modification of any stack gas emission limits specified in the permit, or modification of any conditions in the permit concerning emergency shutdown or automatic waste feed cutoff procedures or controls.

2 c. Modification of any other operating condition or any inspection or recordkeeping requirement specified in the permit.

6. Burning different wastes:

3 a. If the waste contains a POHC that is more difficult to burn than authorized by the permit or if burning of the waste requires compliance with different regulatory performance standards than specified in the permit, the Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards, unless this demonstration can be made through other means.

2 b. If the waste does not contain a POHC that is more difficult to burn than authorized by the permit and if burning of the waste does not require compliance with different regulatory performance standards than specified in the permit.

BOARD NOTE: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

7. Shakedown and trial burn:

2 a. Modification of the trial burn plan or any of the permit conditions applicable during the shakedown period for determining operational readiness after construction, the trial burn period or the period immediately following the trial burn.

1* b. Authorization of up to an additional 720 hours of waste burning during the shakedown period for determining operational readiness after construction, with the prior approval of the Agency.

1* c. Changes in the operating requirements set in the permit for conducting a trial burn, provided the change is minor and has received the prior approval of the Agency.

POLLUTION CONTROL BOARD

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1* d. Changes in the ranges of the operating requirements set in the permit to reflect the results of the trial burn, provided the change is minor and has received the prior approval of the Agency.

1 8. Substitution of an alternate type of nonhazardous waste fuel that is not specified in the permit.

M. Containment Buildings.

1. Modification or addition of containment building units:

3 a. Resulting in greater than 25% increase in the facility's containment building storage or treatment capacity.

2 b. Resulting in up to 25% increase in the facility's containment building storage or treatment capacity.

2 2. Modification of a containment building unit or secondary containment system without increasing the capacity of the unit.

3. Replacement of a containment building with a containment building that meets the same design standards provided:

1 a. The unit capacity is not increased.

1 b. The replacement containment building meets the same conditions in the permit.

2 4. Modification of a containment building management practice.

5. Storage or treatment of different wastes in containment buildings:

3 a. That require additional or different management practices.

2 b. That do not require additional or different management practices

BOARD NOTE: Derived from 40 CFR 270.42, Appendix I (1990), as amended at ~~56 Fed. Reg. 7206, February 21, 1991~~Fed. Reg. 37281, August 18, 1992.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

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NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Standards Applicable to Generators of Hazardous Waste

2) Code Citation: 35 Ill. Adm. Code 722

3) Section Numbers: Adopted Action:

722.134 Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of : November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9445 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

15) Summary and purpose of rulemaking:

The amendments to Part 722 generally concern containment building requirements.

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NOTICE OF ADOPTED AMENDMENTS

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rulemaking begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 722
STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE

SUBPART A: GENERAL

Section
722.110 Purpose, Scope and Applicability
722.111 Hazardous Waste Determination
722.112 USEPA Identification Numbers

SUBPART B: THE MANIFEST

Section
722.120 General Requirements
722.121 Acquisition of Manifests
722.122 Number of Copies
722.123 Use of the Manifest

SUBPART C: PRE-TRANSPORT REQUIREMENTS

Section
722.130 Packaging
722.131 Labeling
722.132 Marking
722.133 Placarding
722.134 Accumulation Time

SUBPART D: RECORDKEEPING AND REPORTING

Section
722.140 Recordkeeping
722.141 Annual Reporting
722.142 Exception Reporting
722.143 Additional Reporting
722.144 Special Requirements for Generators of between 100 and 1000 kilograms per month

SUBPART E: EXPORTS OF HAZARDOUS WASTE

Section
722.150 Applicability
722.151 Definitions
722.152 General Requirements
722.153 Notification of Intent to Export
722.154 Special Manifest Requirements
722.155 Exception Report
722.156 Annual Reports
722.157 Recordkeeping

SUBPART F: IMPORTS OF HAZARDOUS WASTE

Section
722.160 Imports of Hazardous Waste

SUBPART G: FARMERS

Section
722.170 Farmers

722.Appendix A Hazardous Waste Manifest

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27]).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 31, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R84-9 at 9 Ill. Reg. 11950, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1131, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14112, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20709, effective December 2, 1986; amended in R86-46 at 11 Ill. Reg. 13555, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19392, effective November 12, 1987; amended in R87-39 at 12 Ill. Reg. 13129, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 452, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18523, effective November 13, 1989; amended in R90-10 at 14 Ill. Reg. 16653, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9644, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14562, effective October 1, 1991; amended in R91-13 at 16 Ill. Reg. 9833, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17696, effective November 6, 1992; amended in R93-4 at 17 Ill. Reg. _____, effective November 22, 1993

SUBPART C: PRE-TRANSPORT REQUIREMENTS

Section 722.134 Accumulation Time

a) Except as provided in subsections (d), (e) or (f), below, a generator is exempt from all the requirements in 35 Ill. Adm. Code 725.Subparts G and H, except for 35 Ill. Adm. Code 725.211 and 725.214 and may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that:

1) The waste is placed:

A) In containers and the generator complies with 35 Ill. Adm. Code 725.Subpart I; or

B) In tanks and the generator complies with 35 Ill. Adm. Code 725.Subpart J except 35 Ill. Adm. Code 725.297(c) and 725.300; or

C) On drip pads and the generator complies with 35 Ill. Adm. Code 725.Subpart W and maintains the following records at the facility:

i) A description of the procedures that will be followed to ensure that all wastes are removed from the drip pad and associated collection system at least once every 90 days; and

ii) Documentation of each waste removal, including the quantity of waste removed from the drip pad and the sump or collection system and the date and time of removal~~.~~; or

D) In containment buildings and the generator complies with 35 Ill. Adm. Code 725.Subpart DD (has placed its Professional Engineer (PE) certification that the building complies with the design standards specified in 35 Ill. Adm. Code 725.1101 in the facility's operating record no later than 60 days after the date of initial operation of the unit). After February 18, 1993, the PE certification will be required prior to operation of the unit. The owner or operator shall maintain the following records at the facility:

i) A written description of procedures to ensure that each waste volume remains in the unit for no more than 90 days, a written description of the waste generation and management practices for the facility showing that they are consistent with respecting the 90 day limit, and documentation that the procedures are complied with; or

ii) Documentation that the unit is emptied at least once every 90 days.

BOARD NOTE: The "in addition" hanging subsection which appears in the Federal rules after 40 CFR 262.34(a)(1)(iv)(B) is in the introduction to subsection (a), above.

2) The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container;

3) While being accumulated on-site, each container and tank is labeled or marked clearly with the words, "Hazardous Waste", and

4) The generator complies with the requirements for owners or operators in 35 Ill. Adm. Code 725.Subparts C and D, with 35 Ill. Adm. Code 725.116 and 728.107(a)(4).

b) A generator who accumulates hazardous waste for more than 90 days is an operator of a storage facility and is subject to the requirements of 35 Ill. Adm. Code 724 and 725 and the permit requirements of 35 Ill. Adm. Code 702, 703 and 705 unless the generator has been granted an extension of the 90-day period. If hazardous wastes must remain on-site for longer than 90 days due to unforeseen, temporary, and uncontrollable circumstances, the generator may seek an extension of up to 30 days by means of a variance or provisional variance, pursuant to Section 37 of the Environmental Protection Act.

c) Accumulation near point of generation.

1) A generator may accumulate as much as 55 gallons of hazardous waste or one quart of acutely hazardous waste listed in 35 Ill. Adm. Code 721.133(e) in containers at or near any point of generation where wastes initially accumulate, which is under the control of the operator of the process generating the waste, without a permit or

interim status and without complying with subsection (a), above, provided the generator:

A) Complies with 35 Ill. Adm. Code 725.271, 725.272 and 725.273(a); and

B) Marks the generator's containers either with the words "Hazardous Waste" or with other words that identify the contents of the containers.

2) A generator who accumulates either hazardous waste or acutely hazardous waste listed in 35 Ill. Adm. Code 721.133(e) in excess of the amounts listed in subsection (c)(1), above, at or near any point of generation must, with respect to that amount of excess waste, comply within three days with subsection (a), above, or other applicable provisions of this chapter. During the three day period the generator must continue to comply with subsection (c)(1), above. The generator must mark the container holding the excess accumulation of hazardous waste with the date the excess amount began accumulating.

d) A generator who generates greater than 100 kilograms but less than 1000 kilograms of hazardous waste in a calendar month may accumulate hazardous waste on-site for 180 days or less without a permit or without having interim status provided that:

1) The quantity of waste accumulated on-site never exceeds 6000 kilograms;

2) The generator complies with the requirements of 35 Ill. Adm. Code 725.Subpart I, except the generator need not comply with 35 Ill. Adm. Code 725.276;

3) The generator complies with the requirements of 35 Ill. Adm. Code 725.301;

4) The generator complies with the requirements of subsections (a)(2) and (3), above, of 35 Ill. Adm. Code 725.Subpart C and of 35 Ill. Adm. Code 728.107(a)(4); and

5) The generator complies with the following requirements:

A) At all times there must be at least one employee either on the premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures specified in subsection (d)(5)(D), below. The employee is the emergency coordinator.

B) The generator shall post the following information next to the telephone:

i) The name and telephone number of the emergency coordinator:

ii) Location of fire extinguishers and spill control

material, and if present, fire alarm: and

iii) The telephone number of the fire department, unless the facility has a direct alarm.

C) The generator shall ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies:

D) The emergency coordinator or designee shall respond to any emergencies that arise. The applicable responses are as follows:

i) In the event of a fire, call the fire department or attempt to extinguish it using a fire extinguisher:

ii) In the event of a spill, contain the flow of hazardous waste to the extent possible, and as soon as is practicable, clean up the hazardous waste and any contaminated materials or soil:

iii) In the event of a fire, explosion or other release which could threaten human health outside the facility or when the generator has knowledge that a spill has reached surface water, the generator shall immediately notify the National Response Center (using its 24-hour toll free number 800/424-8802). The report must include the following information: the name, address and USEPA identification number (35 Ill. Adm. Code 722.112) of the generator; date, time and type of incident (e.g., spill or fire); quantity and type of hazardous waste involved in the incident; extent of injuries, if any; and, estimated quantity and disposition of recoverable materials, if any.

e) A generator who generates greater than 100 kilograms but less than 1000 kilograms of hazardous waste in a calendar month and who must transport the waste, or offer the waste for transportation, over a distance of 200 miles or more for off-site treatment, storage or disposal may accumulate hazardous waste on-site for 270 days or less without a permit or without having interim status provided that the generator complies with the requirements of subsection (d), above.

f) A generator who generates greater than 100 kilograms but less than 1000 kilograms of hazardous waste in a calendar month and who accumulates hazardous waste in quantities exceeding 6000 kg or accumulates hazardous waste for more than 180 days (or for more than 270 days if the generator must transport the waste, or offer the waste for transportation, over a distance of 200 miles or more) is an operator of a storage facility and is subject to the requirements of 35 Ill. Adm. Code 724 and 725 and the permit requirements of 35 Ill. Adm. Code 703 unless the generator has

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been granted an extension to the 180-day (or 270-day if applicable) period. If hazardous wastes must remain on-site for longer than 180 days (or 270 days if applicable) due to unforeseen, temporary and uncontrollable circumstances, the generator may seek an extension of up to 30 days by means of variance or provisional variance pursuant to Section 37 of the Environmental Protection Act.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

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1) Heading of the Part: Standards for Owners and Operators of hazardous Waste Treatment, Storage, and Disposal Facilities

2) Code Citation: 35 Ill. Adm. Code 724

3)

Section Numbers:	Adopted Action:
724.101, 724.113, 724.210	Amendment
724.211, 724.212, 724.240	Amendment
724.242, 724.243, 724.245	Amendment
724.247, 724.251, 724.414	Amendment
724.416, 724.670, 724.671	Amendment
724.672, 724.673	Amendment
724.1100, 724.1101, 724.1102	New Section

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9453 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

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15) Summary and purpose of rulemaking:

The amendments to Part 724 generally reflect changes made in response to Chemical Waste Management v. EPA, 976 F.2d 2 (D.C. Cir. 1992), containment building requirements, and stays concerning drip pad management.

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

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TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 724
STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART A: GENERAL PROVISIONS

Section
724.101 Purpose, Scope and Applicability
724.103 Relationship to Interim Status Standards

SUBPART B: GENERAL FACILITY STANDARDS

Section
724.110 Applicability
724.111 Identification Number
724.112 Required Notices
724.113 General Waste Analysis
724.114 Security
724.115 General Inspection Requirements
724.116 Personnel Training
724.117 General Requirements for Ignitable, Reactive or Incompatible Wastes
724.118 Location Standards

SUBPART C: PREPAREDNESS AND PREVENTION

Section
724.130 Applicability
724.131 Design and Operation of Facility
724.132 Required Equipment
724.133 Testing and Maintenance of Equipment
724.134 Access to Communications or Alarm System
724.135 Required Aisle Space
724.137 Arrangements with Local Authorities

SUBPART D: CONTINGENCY PLAN AND EMERGENCY PROCEDURES

Section
724.150 Applicability
724.151 Purpose and Implementation of Contingency Plan
724.152 Content of Contingency Plan
724.153 Copies of Contingency Plan
724.154 Amendment of Contingency Plan
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724.156 Emergency Procedures

SUBPART E: MANIFEST SYSTEM, RECORDKEEPING AND REPORTING

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724.170 Applicability
724.171 Use of Manifest System
724.172 Manifest Discrepancies
724.173 Operating Record
724.174 Availability, Retention and Disposition of Records
724.175 Annual Report
724.176 Unmanifested Waste Report
724.177 Additional Reports

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SUBPART F: RELEASES FROM SOLID WASTE MANAGEMENT UNITS

Section
724.190 Applicability
724.191 Required Programs
724.192 Groundwater Protection Standard
724.193 Hazardous Constituents
724.194 Concentration Limits
724.195 Point of Compliance
724.196 Compliance Period
724.197 General Groundwater Monitoring Requirements
724.198 Detection Monitoring Program
724.199 Compliance Monitoring Program
724.200 Corrective Action Program
724.201 Corrective Action for Solid Waste Management Units

SUBPART G: CLOSURE AND POST-CLOSURE

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724.211 Closure Performance Standard
724.212 Closure Plan; Amendment of Plan
724.213 Closure; Time Allowed For Closure
724.214 Disposal or Decontamination of Equipment, Structures and Soils
724.215 Certification of Closure
724.216 Survey Plat
724.217 Post-closure Care and Use of Property
724.218 Post-closure Plan; Amendment of Plan
724.219 Post-closure Notices
724.220 Certification of Completion of Post-closure Care

SUBPART H: FINANCIAL REQUIREMENTS

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724.240 Applicability
724.241 Definitions of Terms As Used In This Subpart
724.242 Cost Estimate for Closure
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724.271 Condition of Containers
724.272 Compatibility of Waste With Container
724.273 Management of Containers
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724.381 Special Requirements for Ignitable or Reactive Waste
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724.402	Double-lined Landfills: Exemption from Subpart F: Ground-water Protection Requirements (Repealed)
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724.670	Applicability
724.671	Assessment of existing drip pad integrity
724.672	Design and installation of new drip pads
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724.958	Standards: Pumps, Valves, Pressure Relief Devices and Other Connectors
724.959	Standards: Delay of Repair
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724.961	Alternative Percentage Standard for Valves
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724.Appendix D	Cochran's Approximation to the Behrens-Fisher Student's T-Test
724.Appendix E	Examples of Potentially Incompatible Waste
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AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27]).

SOURCE: Adopted in R82-19, 53 PCB 131, at 7 Ill. Reg. 14059, effective October 12, 1983; amended in R84-9 at 9 Ill. Reg. 11964, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1136, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14119, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6138, effective March 24, 1987; amended in R86-28 at 11 Ill. Reg. 8684, effective April 21, 1987; amended in R86-46 at 11 Ill. Reg. 13577, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19397, effective November 12, 1987; amended in R87-39 at 12 Ill. Reg. 13135, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 458, effective December 28, 1988; amended in R89-1 at 13 Ill. Reg. 18527, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14511, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16658, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9654, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14572, effective October 1, 1991; amended in R91-13 at 16 Ill. Reg. 9833, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17666, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5806, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. _____, effective November 22, 1993

SUBPART A: GENERAL PROVISIONS

Section 724.101 Purpose, Scope and Applicability

a) The purpose of this Part is to establish minimum standards which define the acceptable management of hazardous waste.

b) The standards in this Part apply to owners and operators of all facilities which treat, store or dispose of hazardous waste, except as specifically provided otherwise in this Part or 35 Ill. Adm. Code 721.

c) The requirements of this Part apply to a person disposing of hazardous waste by means of ocean disposal subject to a permit issued under the Marine Protection, Research and Sanctuaries Act (16 U.S.C. 1431-1434, 33 U.S.C. 1401) only to the extent they are included in a RCRA permit by rule granted to such a person under 35 Ill. Adm. Code 703.141. A "RCRA permit" is a permit required by Section 21(f) of the Environmental Protection Act and 35 Ill. Adm. Code 703.121.

BOARD NOTE: This Part does apply to the treatment or storage of hazardous waste before it is loaded onto an ocean vessel for incineration or disposal at sea.

d) The requirements of this Part apply to a person disposing of hazardous waste by means of underground injection subject to a permit issued by the Agency pursuant to Section 12(g) of the Environmental Protection Act only to the extent they are required by 35 Ill. Adm. Code 704, Subpart F.

BOARD NOTE: This Part does apply to the above-ground treatment or storage of hazardous waste before it is injected underground.

e) The requirements of this Part apply to the owner or operator of a POTW (publicly owned treatment works) which treats, stores or disposes of hazardous waste only to the extent included in a RCRA permit by rule granted to such a person under 35 Ill. Adm. Code 703.141.

f) The requirements of this Part do not apply to:

1) The owner or operator of a facility permitted by the Agency under Section 21 of the Environmental Protection Act to manage municipal or industrial solid waste, if the only hazardous waste the facility treats, stores or disposes of is excluded from regulation under this Part by 35 Ill. Adm. Code 721.105.

BOARD NOTE: The owner or operator may be subject to 35 Ill. Adm. Code 807 and may have to have a supplemental permit under 35 Ill. Adm. Code 807.210.

2) The owner or operator of a facility managing recyclable materials described in 35 Ill. Adm. Code 721.106(a)(2) and (3) (except to the extent that requirements of this Part are referred to in 35 Ill. Adm. Code 726.Subparts C, ~~D,~~ F, ~~or~~ G, or H).

3) A generator accumulating waste on-site in compliance with 35 Ill. Adm. Code 722.134.

4) A farmer disposing of waste pesticides from the farmer's own use in compliance with 35 Ill. Adm. Code 722.170.

5) The owner or operator of a totally enclosed treatment facility, as defined in 35 Ill. Adm. Code 720.110.

6) The owner or operator of an elementary neutralization unit or a wastewater treatment unit as defined in 35 Ill. Adm. Code 720.110, provided that if the owner or operator is diluting hazardous ignitable (D001) wastes (other than the D001 High TOC Subcategory defined in 35 Ill. Adm. Code 728.Table D), or corrosive (D002) waste, to remove the characteristic before land disposal, the owner or operator must comply with the requirements set out in Section 724.117(b) of this part;

7) Immediate response:

A) Except as provided in subsection (f)(8)(B), a person engaged in treatment or containment activities during immediate response to any of the following situations:

i) A discharge of a hazardous waste;

ii) An imminent and substantial threat of a discharge of hazardous waste;

iii) A discharge of a material which, when discharged, becomes a hazardous waste.

B) An owner or operator of a facility otherwise regulated by this Part must comply with all applicable requirements of Subparts C and D.

C) Any person who is covered by subsection (f)(8)(A) and who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of this Part and 35 Ill. Adm. Code 702, 703 and 705 for those activities. Or,

8) A transporter storing manifested shipments of hazardous waste in containers meeting the requirements of 35 Ill. Adm. Code 722.130 at a transfer facility for a period of ten days or less.

9) The addition of absorbent materials to waste in a container (as defined in 35 Ill. Adm. Code 720) or the addition of waste to absorbent material in a container, provided these actions occur at the time waste is first placed in the container; and Sections 724.117(b), 724.271 and 724.272 are complied with.

h) This Part applies to owners and operators of facilities which treat, store or dispose of hazardous wastes referred to in 35 Ill. Adm. Code 728.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART B: GENERAL FACILITY STANDARDS

Section 724.113 General Waste Analysis

a) Analysis:

1) Before an owner or operator treats, stores or disposes of any hazardous wastes, or non-hazardous wastes if applicable under Section 724.213(d), the owner or operator shall obtain a detailed chemical and physical analysis of a representative sample of the wastes. At a minimum, the analysis must contain all the information which must be known to treat, store or dispose of the waste in accordance with this Part and 35 Ill. Adm. Code 728.

2) The analysis may include data developed under 35 Ill. Adm. Code 721, and existing published or documented data on the hazardous waste or on hazardous waste generated from similar processes.

BOARD NOTE: For example, the facility's records of analyses performed on the waste before the effective date of these regulations, or studies conducted on hazardous waste generated from processes similar to that which generated the waste to be managed at the facility, may be included in the data base required to comply with subsection (a)(1) above. The owner or operator of an off-site facility may arrange for the generator of the hazardous waste to supply part or all of the information required by subsection (a)(1) above, except as otherwise specified in 35 Ill. Adm. Code 728.107(b) and (c). If the generator does not supply the information, and the owner or operator chooses to accept a hazardous waste, the owner or operator is responsible for obtaining the information required to comply with this Section.

3) The analysis must be repeated as necessary to ensure that it is accurate and up to date. At a minimum, the analysis must be repeated:

A) When the owner or operator is notified, or has reason to believe, that the process or operation generating the hazardous waste, or non-hazardous waste if applicable under Section 724.213(d), has changed; and

B) For off-site facilities, when the results of the inspection required in subsection (a)(4) below indicate that the hazardous waste received at the facility does not match the waste designated on the accompanying manifest or shipping paper.

4) The owner or operator of an off-site facility shall inspect and, if necessary, analyze each hazardous waste movement received at the facility to determine whether it matches the identity of the waste specified on the accompanying manifest or shipping paper.

b) The owner or operator shall develop and follow a written waste analysis plan which describes the procedures which it will carry out to comply with subsection (a) above. The owner or operator shall keep this plan at the facility. At a minimum, the plan must specify:

1) The parameters for which each hazardous waste, or non-hazardous waste if applicable under Section 724.213(d), will be analyzed and the rationale for the selection of these parameters (i.e., how analysis for these parameters will provide sufficient information on the waste's properties to comply with subsection (a) above).

2) The test methods which will be used to test for these parameters.

3) The sampling method which will be used to obtain a representative sample of the waste to be analyzed. A representative sample may be obtained using either:

A) One of the sampling methods described in 35 Ill. Adm. Code 721.Appendix A; or

B) An equivalent sampling method.

BOARD NOTE: See 35 Ill. Adm. Code 720.121 for related discussion.

4) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up to date.

5) For off-site facilities, the waste analyses that hazardous waste generators have agreed to supply.

6) Where applicable, the methods which will be used to meet the additional waste analysis requirements for specific waste management methods as specified in Sections 724.117, 724.414, 724.441, 724.934(d) and 724.963(d), and 35 Ill. Adm. Code 728.107. And,

7) For surface impoundments exempted from land disposal restrictions under 35 Ill. Adm. Code 728.104(a), the procedures and schedules for:

A) The sampling of impoundment contents;

B) The analysis of test data; and,

C) The annual removal of residues which are not delisted under 35 Ill. Adm. Code 720.122 or which exhibit a characteristic of hazardous waste, and either:

i) Do not meet applicable treatment standards of 35 Ill. Adm. Code 728.Subpart D; or

ii) Where no treatment standards have been established: Such residues are prohibited from

land disposal under 35 Ill. Adm. Code 728.132 or 728.139; or such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.133(f).

c) For off-site facilities, the waste analysis plan required in subsection (b) above must also specify the procedures which will be used to inspect and, if necessary, analyze each movement of hazardous waste received at the facility to ensure that it matches the identity of the waste designated on the accompanying manifest or shipping paper. At a minimum, the plan must describe:

1) The procedures which will be used to determine the identity of each movement of waste managed at the facility; and

2) The sampling method which will be used to obtain a representative sample of the waste to be identified, if the identification method includes sampling.

3) The procedures that the owner or operator of an off-site landfill receiving containerized hazardous waste will use to determine whether a hazardous waste generator or treater has added a biodegradable sorbent to the waste in the container.

BOARD NOTE: 35 Ill. Adm. Code 703, requires that the waste analysis plan be submitted with Part B of the permit application.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART G: CLOSURE AND POST-CLOSURE

Section 724.210 Applicability

Except as Section 724.101 provides otherwise:

a) Section 724.211 through 724.215 (which concern closure) apply to the owners and operators of all hazardous waste management facilities; and

b) Sections 724.216 through 724.220 (which concern post-closure care) apply to the owners and operators of:

1) All hazardous waste disposal facilities; ~~and~~or

2) Waste piles and surface impoundments from which the owner or operator intends to remove the wastes at closure, to the extent that these Sections are made applicable to such facilities in Sections 724.328 or 724.358; or

3) Tank systems which are required under Section 724.297 to meet the requirements for landfills~~.~~; or

4) Containment buildings that are required under Section 724.1102 to meet the requirements for landfills.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.211 Closure Performance Standard

The owner or operator shall close the facility in a manner that:

a) Minimizes the need for further maintenance; and

b) Controls, minimizes or eliminates, to the extent necessary to protect to human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off or hazardous decomposition products to the ground or surface waters or to the atmosphere; and

c) Complies with the closure requirements of this Part including, but not limited to, the requirements of Sections 724.278, 724.297, 724.328, 724.358, 724.380, 724.410, 724.451 and 724.701 through 724.703, and 724.1102.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.212 Closure Plan; Amendment of Plan

a) Written Plan.

1) The owner or operator of a hazardous waste management facility shall have a written closure plan. In addition, certain surface impoundments and waste piles from which the owner or operator intends to remove or decontaminate the hazardous waste at partial or final closure are required by Sections 724.328(c)(1)(A) and 724.358(c)(1)(A) to have contingent closure plans. The plan must be submitted with the permit application, in accordance with 35 Ill. Adm. Code 703.183, and approved by the Agency as part of the permit issuance proceeding under 35 Ill. Adm. Code 705. In accordance with 35 Ill. Adm. Code 703.241, the approved closure plan will become a condition of any RCRA permit.

2) The Agency's approval of the plan must ensure that the approved closure plan is consistent with Sections 724.211 through 724.215 and the applicable requirements of Sections 724.190 et seq., 724.278, 724.297, 724.328, 724.358, 724.380, 724.410, 724.451 and 724.701, and 724.1102. Until final closure is completed and certified in accordance with Section 724.~~515~~215, a copy of the approved plan and approved revisions must be furnished to the Agency upon request, including requests by mail.

b) Content of plan. The plan must identify steps necessary to perform partial or final closure of the facility at any point during its active life. The closure plan must include, at least:

1) A description of how each hazardous waste management unit at the facility will be closed in accordance with Section 724.211;

2) A description of how final closure of the facility will be conducted in accordance with Section 724.211. The description must identify the maximum extent of the operations which will be unclosed during the active life of

the facility; and

3) An estimate of the maximum inventory of hazardous wastes ever on-site over the active life of the facility and a detailed description of the methods to be used during partial closures and final closure, including, but not limited to, methods for removing, transporting, treating, storing or disposing of all hazardous wastes, and identification of the type(s) of off-site hazardous waste management units to be used, if applicable; and

4) A detailed description of the steps needed to remove or decontaminate all hazardous waste residues and contaminated containment system components, equipment, structures and soils during partial and final closure, including, but not limited to, procedures for cleaning equipment and removing contaminated soils, methods for sampling and testing surrounding soils and criteria for determining the extent of decontamination required to satisfy the closure performance standard; and

5) A detailed description of other activities necessary during the closure period to ensure that all partial closures and final closure satisfy the closure performance standards, including, but not limited to, groundwater monitoring, leachate collection, and run-on and run-off control; and

6) A schedule for closure of each hazardous waste management unit and for final closure of the facility. The schedule must include, at a minimum, the total time required to close each hazardous waste management unit and the time required for intervening closure activities which will allow tracking of the progress of partial and final closure. (For example, in the case of a landfill unit, estimates of the time required to treat and dispose of all hazardous waste inventory and of the time required to place a final cover must be included.)

7) For facilities that use trust funds to establish financial assurance under Section 724.243 or 724.245 and that are expected to close prior to the expiration of the permit, an estimate of the expected year of final closure.

c) Amendment of the plan. The owner or operator shall submit a written notification of or request for a permit modification to authorize a change in operating plans, facility design or the approved closure plan in accordance with the applicable procedures in 35 Ill. Adm. Code 702, 703 and 705. The written notification or request must include a copy of the amended closure plan for review or approval by the Agency.

1) The owner or operator may submit a written notification or request to the Agency for a permit modification to amend the closure plan at any time prior to notification of partial or final closure of the facility.

2) The owner or operator shall submit a written notification of or request for a permit modification to authorize a change

in the approved closure plan whenever:

A) Changes in operating plans or facility design affect the closure plan; or

B) There is a change in the expected year of closure, if applicable, or

C) In conducting partial or final closure activities, unexpected events require modification of the approved closure plan.

3) The owner or operator shall submit a written request for a permit modification including a copy of the amended closure plan for approval at least 60 days prior to the proposed change in the facility design or operation, or no later than 60 days after an unexpected event has occurred which has affected the closure plan. If an unexpected event occurs during the partial or final closure period, the owner or operator shall request a permit modification no later than 30 days after the unexpected event. An owner or operator of a surface impoundment or waste pile that intends to remove all hazardous waste at closure and is not otherwise required to prepare a contingent closure plan under Sections 724.328(c)(1)(A) or 724.358(c)(1)(A), shall submit an amended closure plan to the Agency no later than 60 days after the date the owner or operator or Agency determines that the hazardous waste management unit must be closed as a landfill, subject to the requirements of Section 724.410, or no later than 30 days after that date if the determination is made during partial or final closure. The Agency shall approve, disapprove or modify this amended plan in accordance with the procedures in 35 Ill. Adm. Code 702, 703 and 705. In accordance with 35 Ill. Adm. Code 702.160 and 703.241, the approved closure plan will become a condition of any RCRA permit issued.

4) The Agency may request modifications to the plan under the conditions described in Section 724.212(c)(2). The owner or operator shall submit the modified plan within 60 days after the Agency's request, or within 30 days if the change in facility conditions occurs during partial or final closure. Any modifications requested by the Agency must be approved in accordance with the procedures in 35 Ill. Adm. Code 702, 703 and 705.

d) Notification of partial closure and final closure.

1) The owner or operator shall notify the Agency in writing at least 60 days prior to the date on which the owner or operator expects to begin closure of a surface impoundment, waste pile, land treatment or landfill unit, or final closure of a facility with such a unit. The owner or operator shall notify the Agency in writing at least 45 days prior to the date on which the owner or operator expects to begin final closure of a facility with only treatment or storage tanks, container storage or incinerator units to be closed. The owner or operator shall notify the Agency in

writing at least 45 days prior to the date on which the owner or operator expects to begin partial or final closure of a boiler or industrial furnace, whichever is earlier.

2) The date when the owner or operator "expects to begin closure" must be either:

A) No later than 30 days after the date on which any hazardous waste management unit receives the known final volume of hazardous wastes or, if there is a reasonable possibility that the hazardous waste management unit will receive additional hazardous wastes, no later than one year after the date on which the unit received the most recent volume of hazardous waste. If the owner or operator of a hazardous waste management unit demonstrates to the Agency that the hazardous waste management unit or facility has the capacity to receive additional hazardous wastes and that the owner or operator have taken, and will continue to take, all steps to prevent threats to human health and the environment, including compliance with all applicable permit requirements, the Agency shall approve an extension to this one-year limit. Or,

B) For units meeting the requirements of Section 724.213(d), no later than 30 days after the date on which the hazardous waste management unit receives the final known volume of non-hazardous wastes, or, if there is a reasonable possibility that the hazardous waste management unit will receive additional non-hazardous wastes, no later than one year after the date on which the unit received the most recent volume of non-hazardous wastes. If the owner or operator demonstrates to the Agency that the hazardous waste management unit has the capacity to receive additional non-hazardous wastes and that the owner and operator have taken, and will continue to take, all steps to prevent threats to human health and the environment, including compliance with all applicable permit requirements, the Agency shall approve an extension to this one-year limit.

3) If the facility's permit is terminated, or if the facility is otherwise ordered, by judicial decree or Board order to cease receiving hazardous wastes or to close, then the requirements of this subsection do not apply. However, the owner or operator shall close the facility in accordance with the deadlines established in Section 724.213.

e) Removal of wastes and decontamination or dismantling of equipment. Nothing in this Section shall preclude the owner or operator from removing hazardous wastes and decontaminating or dismantling equipment in accordance with the approved partial or final closure plan at any time before or after notification of partial or final closure.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART H: FINANCIAL REQUIREMENTS

Section 724.240 Applicability

a) The requirements of Sections 724.242, 724.243 and 724.247 through 724.251 apply to owners and operators of all hazardous waste facilities, except as provided otherwise in this Section or in Section 724.101.

b) The requirements of Sections 724.244 and 724.245 apply only to owners and operators of:

1) Disposal facilities; ~~and~~or

2) Piles, and surface impoundments from which the owner or operator intends to remove the wastes at closure, to the extent that these Sections are made applicable to such facilities in Sections 724.328 and 724.358; ~~and~~or

3) Tank systems which are required under Section 724.297 to meet the requirements for landfills~~.~~; or

4) Containment buildings that are required under Section 724.1102 to meet the requirements for landfills.

c) States and Federal government are exempt from the requirements of this Subpart.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.242 Cost Estimate for Closure

a) The owner or operator shall have detailed a written estimate, in current dollars, of the cost of closing facility in accordance with the requirements in Sections 724.211 through 724.215 and applicable closure requirements in Sections 724.278, 724.297, 724.328, 724.358, 724.380, 724.410, 724.451 and 724.701 through 724.703, and 724.1102.

1) The estimate must equal the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan (see Section 724.212(b)); and

2) The closure cost estimate must be based on the costs to the owner or operator of hiring a third party to close the facility. A third party is a party who is neither a parent nor a subsidiary of the owner or operator. (See definition of parent corporation in Section 724.241(d)). The owner or operator may use costs for on-site disposal if the owner or operator demonstrates that on-site disposal capacity will exist at all times over the life of the facility.

3) The closure cost estimate must not incorporate any salvage value that may be realized with the sale of hazardous wastes, or non-hazardous wastes if applicable under Section 724.213(d), facility structures or equipment, land or other

assets associated with the facility at the time of partial or final closure hazardous wastes that might have economic value.

4) The owner or operator shall not incorporate a zero cost for hazardous wastes, or non-hazardous wastes if applicable under Section 724.213(d), that might have economic value.

b) During the active life of the facility, the owner or operator shall adjust the closure cost estimate for inflation within 60 days prior to the anniversary date of the establishment of the financial instrument(s) used to comply with Section 724.243. For owners and operators using the financial test or corporate guarantee, the closure cost estimate must be updated for inflation within 30 days after the close of the firm's fiscal year and before submission of updated information to the Agency as specified in Section 724.243(f)(3). The adjustment may be made by recalculating the maximum costs of closure in current dollars, or by using an inflation factor derived from the annual Implicit Price Deflator for Gross National Product as published by the U.S. Department of Commerce in its Survey of Current Business as specified in subsections (b)(1) and (b)(2). The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year.

1) The first adjustment is made by multiplying the closure cost estimate by the inflation factor. The result is the adjusted closure cost estimate.

2) Subsequent adjustments are made by multiplying the latest adjusted closure cost estimate by the latest inflation factor.

c) During the active life of the facility the owner or operator shall revise the closure cost estimate no later than 30 days after the Agency has approved the request to modify the closure plan, if the change in the closure plan increases the cost of closure. The revised closure cost estimate must be adjusted for inflation as specified in Section 724.242(b).

d) The owner or operator shall keep the following at the facility during the operating life of the facility: The latest closure cost estimate prepared in accordance with Sections 724.242(a) and (c) and, when this estimate has been adjusted in accordance with Section 724.242(b), the latest adjusted closure cost estimate.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.243 Financial Assurance For Closure

An owner or operator of each facility shall establish financial assurance for closure of the facility. The owner or operator shall choose from the options as specified in subsections (a) through (f).

a) Closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by establishing a closure trust fund which conforms

to the requirements of this subsection and submitting an original signed duplicate of the trust agreement to the Agency. An owner or operator of a new facility shall submit the original signed duplicate of the trust agreement to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The trustee must be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

2) The wording of the trust agreement must be as specified in Section 724.251 and the trust agreement must be accompanied by a formal certification of acknowledgment (as specified in Section 724.251). Schedule A of the trust agreement must be updated within 60 days after a change in the amount of the current closure cost estimate covered by the agreement.

3) Payments into the trust fund must be made annually by the owner or operator over the term of the initial RCRA permit or over the remaining operating life of the facility as estimated in the closure plan, whichever period is shorter; this period is hereafter referred to as the "pay-in period." The payments into the closure trust fund must be made as follows:

A) For a new facility, the first payment must be made before the initial receipt of hazardous waste for treatment, storage or disposal. A receipt from the trustee for this payment must be submitted by the owner or operator to the Agency before this initial receipt of hazardous waste. The first payment must be at least equal to the current closure cost estimate, except as provided in subsection (g), divided by the number of years in the pay-in period. Subsequent payments must be made no later than 30 days after each anniversary date of the first payment. The amount of each subsequent payment must be determined by this formula:

$$\text{Next payment} = (CE - CV) / Y$$

where CE is the current closure cost estimate, CV is the current value of the trust fund and Y is the number of years remaining in the pay-in period.

B) If an owner or operator establishes a trust fund as specified in 35 Ill. Adm. Code 725.243(a) and the value of that trust fund is less than the current closure cost estimate when a permit is awarded for the facility, the amount of the current closure cost estimate still to be paid into the trust fund must be paid in over the pay-in period as defined in subsection (a)(3). Payments must continue to be made no later than 30 days after each anniversary date of the first payment made pursuant to 35 Ill. Adm. Code 725. The amount of each payment must be determined by this formula:

Next payment = (CE - CV) / Y

where CE is the current closure cost estimate, CV is the current value of the trust fund and Y is the number of years remaining in the pay-in period.

4) The owner or operator may accelerate payments into the trust fund or may deposit the full amount of the current closure cost estimate at the time the fund is established. However, the owner or operator shall maintain the value of the fund at no less than the value that the fund would have if annual payments were made as specified in subsection (a)(3).

5) If the owner or operator establishes a closure trust fund after having used one or more alternate mechanisms specified in this Section or in 35 Ill. Adm. Code 725.243, its first payment must be in at least the amount that the fund would contain if the trust fund were established initially and annual payments made according to specifications of this subsection and 35 Ill. Adm. Code 725.243, as applicable.

6) After the pay-in period is completed, whenever the current closure cost estimate changes, the owner or operator shall compare the new estimate with the trustee's most recent annual valuation of the trust fund. If the value of the fund is less than the amount of the new estimate, the owner or operator, within 60 days after the change in the cost estimate, shall either deposit an amount into the fund so that its value after this deposit at least equals the amount of the current closure cost estimate, or obtain other financial assurance as specified in this Section to cover the difference.

7) If the value of the trust fund is greater than the total amount of the current closure cost estimate, the owner or operator may submit a written request to the Agency for release of the amount in excess of the current closure cost estimate.

8) If an owner or operator substitutes other financial assurance as specified in this Section for all or part of the trust fund, it may submit a written request to the Agency for release of the amount in excess of the current closure cost estimate covered by the trust fund.

9) Within 60 days after receiving a request from the owner or operator for release of funds as specified in subsections (a)(7) or (8), the Agency shall instruct the trustee to release to the owner or operator such funds as the Agency specifies in writing.

10) After beginning partial or final closure, an owner or operator or another person authorized to conduct partial or final closure may request reimbursement for closure expenditures by submitting itemized bills to the Agency. The owner or operator may request reimbursement for partial closure only if sufficient funds are remaining in the trust fund to cover the maximum costs of closing the facility over

its remaining operating life. Within 60 days after receiving bills for partial or final closure activities, the Agency shall instruct the trustee to make reimbursement in those amounts as the Agency specifies in writing if the Agency determines that the partial or final closure expenditures are in accordance with the approved closure plan, or otherwise justified. If the Agency determines that the maximum cost of closure over the remaining life of the facility will be significantly greater than the value of the trust fund, it shall withhold reimbursement of such amounts as it deems prudent until it determines, in accordance with subsection (i), that the owner or operator is no longer required to maintain financial assurance for final closure of the facility. If the Agency does not instruct the trustee to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

11) The Agency shall agree to termination of the trust when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

b) Surety bond guaranteeing payment into a closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting the bond to the Agency. An owner or operator of a new facility shall submit the bond to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The bond must be effective before this initial receipt of hazardous waste. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury.

2) The wording of the surety bond must be as specified in Section 724.251.

3) The owner or operator who uses a surety bond to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the bond, all payments made thereunder will be deposited by the surety directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements specified in subsection (a) except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the surety bond; and

B) Until the standby trust fund is funded pursuant to the requirements of this Section, the following are not

required by these regulations:

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (see 40 CFR 264.151(a)) to show current closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The bond must guarantee that the owner or operator will:

A) Fund the standby trust fund in an amount equal to the penal sum of the bond before the beginning of final closure of the facility; or

B) Fund the standby trust fund in an amount equal to the penal sum within 15 days after an order to begin final closure is issued by the Board or a U.S. district court or other court of competent jurisdiction; or

C) Provide alternate financial assurance as specified in this Section, and obtain the Agency's written approval of the assurance provided, within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the bond from the surety.

5) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond.

6) The penal sum of the bond must be in an amount at least equal to the current closure cost estimate, except as provided in subsection (g).

7) Whenever the current closure cost estimate increases to an amount greater than the penal sum, the owner or operator, within 60 days after the increase, shall either cause the penal sum to be increased to an amount at least equal to the current closure cost estimate and submit evidence of such increase to the Agency or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current closure cost estimate decreases, the penal sum may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

8) Under the terms of the bond, the surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or

operator and the Agency, as evidence by the return receipts.

9) The owner or operator may cancel the bond if the Agency has given prior written consent based on its receipt of evidence of alternate financial assurance as specified in this Section.

c) Surety bond guaranteeing performance of closure.

1) An owner or operator may satisfy the requirements of this by obtaining a surety bond which conforms to the requirements of this subsection and submitting the bond to the Agency. An owner or operator of a new facility shall submit the bond to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The bond must be effective before this initial receipt of hazardous waste. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury.

2) The wording of the surety bond must be as specified in Section 724.251.

3) The owner or operator who uses a surety bond to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the bond, all payments made thereunder will be deposited by the surety directly into the standby trust fund in accordance with instructions from the Agency. This standby trust must meet the requirements specified in subsection (a), except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the surety bond; and

B) Unless the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (as specified in Section 724.251) to show current closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The bond must guarantee that the owner or operator will:

A) Perform final closure in accordance with the closure plan and other requirements of the permit for the facility whenever required to do so; or

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B) Provide alternate financial assurance as specified in this Section, and obtain the Agency's written approval of the assurance provided, within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the bond from the surety.

5) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond. Following a final judicial determination or Board order finding that the owner or operator has failed to perform final closure in accordance with the approved closure plan and other permit requirements when required to do so, under the terms of the bond the surety will perform final closure as guaranteed by the bond or will deposit the amount of the penal sum into the standby trust fund.

6) The penal sum of the bond must be in an amount at least equal to the current closure cost estimate.

7) Whenever the current closure cost estimate increases to an amount greater than the penal sum, the owner or operator, within 60 days after the increase, shall either cause the penal sum to be increased to an amount at least equal to the current closure cost estimate and submit evidence of such increase to the Agency or obtain other financial assurance as specified in this Section. Whenever the current closure cost estimate decreases, the penal sum may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

8) Under the terms of the bond, the surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

9) The owner or operator may cancel the bond if the Agency has given prior written consent. The Agency shall provide such written consent when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

10) The surety shall not be liable for deficiencies in the performance of closure by the owner or operator after the Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

d) Closure letter of credit.

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1) An owner or operator may satisfy the requirements of this Section by obtaining an irrevocable standby letter of credit which conforms to the requirements of this subsection and submitting the letter to the Agency. An owner or operator of a new facility shall submit the letter of credit to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The letter of credit must be effective before this initial receipt of hazardous waste. The issuing institution must be an entity which has the authority to issue letters of credit and whose letter-of-credit operations are regulated and examined by a Federal or State agency.

2) The wording of the letter of credit must be as specified in Section 724.251.

3) An owner or operator who uses a letter of credit to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the letter of credit, all amounts paid pursuant to a draft by the Agency will be deposited by the issuing institution directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements of the trust fund specified in subsection (a), except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the letter of credit; and

B) Unless the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations.

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (as specified in Section 724.251) to show current closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The letter or credit must be accompanied by a letter from the owner or operator referring to the letter of credit by number, issuing institution, and date and providing the following information: the EPA Identification Number, name and address of the facility, and the amount of funds assured for closure of the facility by the letter of credit.

5) The letter of credit must be irrevocable and issued for a period of at least 1 year. The letter of credit must provide that the expiration date will be automatically extended for a period of at least 1 year unless, at least

120 days before the current expiration date, the issuing institution notifies both the owner or operator and the Agency by certified mail of a decision not to extend the expiration date. Under the terms of the letter of credit, the 120 days will begin on the date when both the owner or operator and the Agency have received the notice, as evidenced by the return receipts.

6) The letter of credit must be issued in an amount at least equal to the current closure cost estimate, except as provided in subsection (g).

7) Whenever the current closure cost estimate increases to an amount greater than the amount of the credit, the owner or operator, within 60 days after the increase, shall either cause the amount of the credit to be increased so that it at least equals the current closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current closure cost estimate decreases, the amount of the credit may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

8) Following a final judicial determination or Board order finding that the owner or operator has failed to perform final closure in accordance with the closure plan and other permit requirements when required to do so, the Agency may draw on the letter of credit.

9) If the owner or operator does not establish alternate financial assurance as specified in this Section and obtain written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice from issuing institution that it has decided not to extend the letter of credit beyond the current expiration date, the Agency shall draw on the letter of credit. The Agency may delay the drawing if the issuing institution grants an extension of the term of the credit. During the last 30 days of any such extension the Agency shall draw on the letter of credit if the owner or operator has failed to provide alternate financial assurance as specified in this Section and obtain written approval of such assurance from the Agency.

10) The Agency shall return the letter of credit to the issuing institution for termination when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

e) Closure insurance.

1) An owner or operator may satisfy the requirements of this

Section by obtaining closure insurance which conforms to the requirements of this subsection and submitting a certificate of such insurance to the Agency. An owner or operator of a new facility shall submit the certificate of insurance to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The insurance must be effective before this initial receipt of hazardous waste. At a minimum, the insurer must be licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more States.

2) The wording of the certificate of insurance must be as specified in Section 724.251.

3) The closure insurance policy must be issued for a face amount at least equal to the current closure cost estimate, except as provided in subsection (g). The term "face amount" means the total amount the insurer is obligated to pay under the policy. Actual payments by the insurer will not change the face amount, although the insurer's future liability will be lowered by the amount of the payments.

4) The closure insurance policy must guarantee that funds will be available to close the facility whenever final closure occurs. The policy must also guarantee that, once final closure begins, the insurer will be responsible for paying out funds, up to an amount equal to the face amount of the policy, upon the direction of the Agency to such party or parties as the Agency specifies.

5) After beginning partial or final closure, an owner or operator or any other person authorized to conduct closure may request reimbursement for closure expenditures by submitting itemized bills to the Agency. The owner or operator may request reimbursements for partial closure only if the remaining value of the policy is sufficient to cover the maximum costs of closing the facility over its remaining operating life. Within 60 days after receiving bills for closure activities, the Agency shall instruct the insurer to make reimbursement in such amounts as the Agency specifies in writing if the Agency determines that the partial or final closure expenditures are in accordance with the approved closure plan or otherwise justified. If the Agency determines that the maximum cost of closure over the remaining life of the facility will be significantly greater than the face amount of the policy, it shall withhold reimbursement of such amounts as it deems prudent until it determines, in accordance with subsection (i), that the owner or operator is no longer required to maintain financial assurance for closure of the facility. If the Agency does not instruct the insurer to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

6) The owner or operator shall maintain the policy in full force and effect until the Agency consents to termination of the policy by the owner or operator as specified in

subsection (e)(10). Failure to pay the premium, without substitution of alternate financial assurance as specified in this Section, will constitute a significant violation of these regulations, warranting such remedy as the Board may impose pursuant to the Environmental Protection Act. Such violation will be deemed to begin upon receipt by the Agency of a notice of future cancellation, termination or failure to renew due to nonpayment of the premium, rather than upon the date of expiration.

7) Each policy must contain a provision allowing assignment of the policy to a successor owner or operator. Such assignment may be conditional upon consent of the insurer, provided such consent is not unreasonably refused.

8) The policy must provide that the insurer may not cancel, terminate or fail to renew the policy except for failure to pay the premium. The automatic renewal of the policy must, at a minimum, provide the insured with the option of renewal at the face amount of the expiring policy. If there is a failure to pay the premium, the insurer may elect to cancel, terminate or fail to renew the policy by sending notice by certified mail to the owner or operator and the Agency. Cancellation, termination or failure to renew may not occur, however, during the 120 days beginning with the date of receipt of the notice by both the Agency and the owner or operator, as evidenced by the return receipts. Cancellation, termination or failure to renew may not occur and the policy will remain in full force and effect in the event that on or before the date of expiration:

A) The Agency deems the facility abandoned; or

B) The permit is terminated or revoked or a new permit is denied; or

C) Closure is ordered by the Board or a U.S. district court or other court of competent jurisdiction; or

D) The owner or operator is named as debtor in a voluntary or involuntary proceeding under 11 U.S.C. (Bankruptcy); or

E) The premium due is paid.

9) Whenever the current closure cost estimate increases to an amount greater than the face amount of the policy, the owner or operator, within 60 days after the increase, shall either cause the face amount to be increased to an amount at least equal to the current closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current closure cost estimate decreases, the face amount may be reduced to the amount of the current closure cost estimate following written approval by the Agency.

10) The Agency shall give written consent to the owner or

operator that it may terminate the insurance policy when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

f) Financial test and corporate guarantee for closure.

1) An owner or operator may satisfy the requirements of this Section by demonstrating that it passes a financial test as specified in this subsection. To pass this test the owner or operator shall meet the criteria of either subsection (f)(1)(A) or (f)(1)(B):

A) The owner or operator shall have:

i) Two of the following three ratios: a ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5; and

ii) Net working capital and tangible net worth each at least six times the sum of the current closure and post-closure cost estimates; and the current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assets located in the United States amounting to at least 90 percent of total assets or at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates.

B) The owner or operator shall have:

i) A current rating for its most recent bond issuance of AAA, AA, A or BBB as issued by Standard and Poor's or Aaa, Aa, A or Baa as issued by Moody's; and

ii) Tangible net worth at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assets located in the United States amounting to at least 90 percent of total assets or at least six times the sum of the current closure and

post-closure estimates and the current plugging and abandonment cost estimates.

2) The phrase "current closure and post-closure cost estimates" as used in subsection (f)(1) refers to the cost estimates required to be shown in subsections 1-4 of the letter from the owner's or operator's chief financial officer (40 CFR 264.151(f)) (incorporated by reference in Section 724.251). The phrase "current plugging and abandonment cost estimates" as used in subsection (f)(1) refers to the cost estimates required to be shown in subsections 1-4 of the letter from the owner's or operator's chief financial officer (40 CFR 144.70(f)), incorporated by reference in 35 Ill. Adm. Code 704.240).

3) To demonstrate that it meets this test, the owner or operator shall submit the following items to the Agency:

A) A letter signed by the owner's or operator's chief financial officer and worded as specified in Section 724.251; and

B) A copy of the independent certified public accountant's report on examination of the owner's or operator's financial statements for the latest completed fiscal year; and

C) A special report from the owner's or operator's independent certified public accountant to the owner or operator stating that:

i) The accountant has compared the data which the letter from the chief financial officer specifies as having been derived from the independently audited, year-end financial statements for the latest fiscal year with the amounts in such financial statements; and

ii) In connection with that procedure, no matters came to the accountant's attention which caused the accountant to believe that the specified data should be adjusted.

4) An owner or operator of a new facility shall submit the items specified in subsection (f)(3) to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal.

5) After the initial submission of items specified in subsection (f)(3), the owner or operator shall send updated information to the Agency within 90 days after the close of each succeeding fiscal year. This information must consist of all three items specified in subsection (f)(3).

6) If the owner or operator no longer meets the requirements of subsection (f)(1) the owner or operator shall send notice to the Agency of intent to establish alternate financial assurance as specified in this Section. The notice must be

sent by certified mail within 90 days after the end of the fiscal year for which the year-end financial data show that the owner or operator no longer meets the requirements. The owner or operator shall provide the alternate financial assurance within 120 days after the end of such fiscal year.

7) The Agency may, based on a reasonable belief that the owner or operator may no longer meet the requirements of subsection (f)(1), require reports of financial condition at any time from the owner or operator in addition to those specified in subsection (f)(3). If the Agency finds, on the basis of such reports or other information, that the owner or operator no longer meets the requirements of subsection (f)(1), the owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of such a finding.

8) The Agency may disallow use of this test on the basis of qualifications in the opinion expressed by the independent certified public accountant in the accountant's report on examination of the owner's or operator's financial statements (see subsection (f)(3)(B)). An adverse opinion or a disclaimer of opinion will be cause for disallowance. The Agency shall evaluate other qualifications on an individual basis. The owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of the disallowance.

9) The owner or operator is no longer required to submit the items specified in subsection (f)(3) when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

10) An owner or operator may meet the requirements of this Section by obtaining a written guarantee, hereafter referred to as "corporate guarantee." The guarantor must be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or operator, or a firm with a "substantial business relationship" with the owner or operator. The guarantor shall meet the requirements for owners or operators in subsections (f)(1) through (f)(8), shall comply with the terms of the corporate guarantee and the wording of the corporate guarantee must be as specified in Section 724.251. The certified copy of the corporate guarantee must accompany the items sent to the Agency as specified in subsection (f)(3). One of these items must be the letter from the guarantor's chief financial officer. If the guarantor's parent corporation is also the parent corporation of the owner or operator, the letter must describe the value received in consideration of the guarantee. If the guarantor is a firm with a "substantial business relationship" with the owner or operator, this

letter must describe this "substantial business relationship" and the value received in consideration of the guarantee. The terms of the corporate guarantee must provide that:

A) If the owner or operator fails to perform final closure of a facility covered by the corporate guarantee in accordance with the closure plan and other permit requirements whenever required to do so, the guarantor will do so or establish a trust fund as specified in subsection (a) in the name of the owner or operator.

B) The corporate guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

C) If the owner or operator fails to provide alternate financial assurance as specified in this Section and obtain the written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the corporate guarantee from the guarantor, the guarantor will provide such alternative financial assurance in the name of the owner or operator.

g) Use of multiple financial mechanisms. An owner or operator may satisfy the requirements of this by establishing more than one financial mechanism per facility. These mechanisms are limited to trust funds, surety bonds guaranteeing payment into a trust fund, letters of credit and insurance. The mechanisms must be as specified in subsections (a), (b), (d) and (e), respectively, except that it is the combination of mechanisms, rather than the single mechanism, which must provide financial assurance for an amount at least equal to the current closure cost estimate. If an owner or operator uses a trust fund in combination with a surety bond or a letter of credit, it may use the trust fund as the standby trust fund for the other mechanisms. A single standby trust fund may be established for two or more mechanisms. The Agency may use any or all of the mechanisms to provide for closure of the facility.

h) Use of a financial mechanism for multiple facilities. An owner or operator may use a financial assurance mechanism specified in this Section to meet the requirements of this Section for more than one facility. Evidence of financial assurance submitted to the Agency must include a list showing, for each facility, the EPA Identification Number, name, address and the amount of funds for closure assured by the mechanism. The amount of funds available through the mechanism must be no less than the sum of funds that would be available if a separate mechanism had been established and maintained for each facility. The amount of funds available to the Agency must be sufficient to close all of the owner or

operator's facilities. In directing funds available through the mechanism for closure of any of the facilities covered by the mechanism, the Agency may direct only the amount of funds designated for that facility, unless the owner or operator agrees to the use of additional funds available under the mechanism.

i) Release of the owner or operator from the requirements of this Section. Within 60 days after receiving certifications from the owner or operator and an independent registered professional engineer that final approved closure has been accomplished in accordance with the closure plan, the Agency shall notify the owner or operator in writing that it is no longer required by this Section to maintain financial assurance for closure of the facility, unless the Agency determines that closure has not been in accordance with the approved closure plan. The Agency shall provide the owner or operator a detailed written statement of any such determination that closure has not been in accordance with the approved closure plan.

j) Appeal. The following Agency actions are deemed to be permit modifications or refusals to modify for purposes of appeal to the Board (35 Ill. Adm. Code 702.184(e)(3)):

1) An increase in, or a refusal to decrease the amount of, a bond, letter of credit or insurance;

2) Requiring alternate assurance upon a finding that an owner or operator, or parent corporation, no longer meets a financial test.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.245 Financial Assurance For Post-closure Care

An owner or operator of a hazardous waste management unit subject to the requirements of Section 724.244 shall establish financial assurance for post-closure care in accordance with the approved post-closure plan for the facility 60 days prior to the initial receipt of hazardous waste or the effective date of the regulation, whichever is later. The owner or operator shall choose from the following options:

a) Post-closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by establishing a post-closure trust fund which conforms to the requirements of this subsection and submitting an original, signed duplicate of the trust agreement to the Agency. An owner or operator of a new facility shall submit the original, signed duplicate of the trust agreement to the Agency at least 60 days before the date on which hazardous waste is first received for disposal. The trustee must be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

2) The wording of the trust agreement must be as specified in Section 724.251 and the trust agreement accompanied by a formal certification of acknowledgment (as specified in

Section 724.251). Schedule A of the trust agreement must be updated within 60 days after a change in the amount of the current post-closure cost estimate covered by the agreement.

3) Payments into the trust fund must be made annually by the owner or operator over the term of the initial RCRA permit or over the remaining operating life of the facility as estimated in the closure plan, whichever period is shorter; this period is hereafter referred to as the "pay-in period." The payments into the post-closure trust fund must be made as follows:

A) For a new facility, the first payment must be made before the initial receipt of hazardous waste for disposal. A receipt from the trustee for this payment must be submitted by the owner or operator to the Agency before this initial receipt of hazardous waste. The first payment must be at least equal to the current post-closure cost estimate, except as provided in subsection (g), divided by the number of years in the pay-in period. Subsequent payments must be made no later than 30 days after each anniversary date of the first payment. The amount of each subsequent payment must be determined by this formula:

Next payment = (CE - CV) / Y

where CE is the current post-closure cost estimate, CV is the current value of the trust fund and Y is the number of years remaining in the pay-in period.

B) If an owner or operator establishes a trust fund as specified in 35 Ill. Adm. Code 725.245(a) and the value of that trust fund is less than the current post-closure cost estimate when a permit is awarded for the facility, the amount of the current post-closure cost estimate still to be paid into the trust fund must be paid in over the pay-in period as defined in subsection (a)(3). Payments must continue to be made no later than 30 days after each anniversary date of the first payment made pursuant to 35 Ill. Adm. Code 725. The amount of each payment must be determined by this formula:

Next payment = (CE - CV) / Y

where CE is the current post-closure cost estimate, CV is the current value of the trust fund and Y is the number of years remaining in the pay-in period.

4) The owner or operator may accelerate payments into the trust fund or owner or operator shall maintain the value of the fund at no less than the value that the fund would have if annual payments were made as specified in subsection (a)(3).

5) If the owner or operator establishes a post-closure trust fund after having used one or more alternate mechanisms specified in this Section or in 35 Ill. Adm. Code 725.245,

its first payment must be in at least the amount that the fund would contain if the trust fund were established initially and annual payments made according to specifications of this subsection and 35 Ill. Adm. Code 725.245, as applicable.

6) After the pay-in period is completed, whenever the current post-closure cost estimate changes during the operating life of the facility, the owner or operator shall compare the new estimate with the trustee's most recent annual valuation of the trust fund. If the value of the fund is less than the amount of the new estimate, the owner or operator, within 60 days after the change in the cost estimate, shall either deposit an amount into the fund so that its value after this deposit at least equals the amount of the current post-closure cost estimate, or obtain other financial assurance as specified in this Section to cover the difference.

7) During the operating life of the facility, if the value of the trust fund is greater than the total amount of the current post-closure cost estimate, the owner or operator may submit a written request to the Agency for release of the amount in excess of the current post-closure cost estimate.

8) If an owner or operator substitutes other financial assurance as specified in this Section for all or part of the trust fund, it may submit a written request to the Agency for release of the amount in excess of the current post-closure cost estimate covered by the trust fund.

9) Within 60 days after receiving a request from the owner or operator for release of funds as specified in subsections (a)(7) or (8), the Agency shall instruct the trustee to release to the owner or operator such funds as the Agency specifies in writing.

10) During the period of post-closure care, the Agency shall approve a release of funds if the owner or operator demonstrates to the Agency that the value of the trust fund exceeds the remaining cost of post-closure care.

11) An owner or operator or any other person authorized to perform post-closure care may request reimbursement for post-closure care expenditures by submitting itemized bills to the Agency. Within 60 days after receiving bills for post-closure activities, the Agency shall instruct the trustee to make requirements in those amounts as the Agency specifies in writing if the Agency determines that the post-closure care expenditures are in accordance with the approved post-closure plan or otherwise justified. If the Agency does not instruct the trustee to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

12) The Agency shall agree to termination of the trust when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

b) Surety bond guaranteeing payment into a post-closure trust fund.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting the bond to the Agency. An owner or operator of a new facility shall submit the bond to the Agency at least 60 days before the date on which hazardous waste is first received for disposal. The bond must be effective before this initial receipt of hazardous waste. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury.

2) The wording of the surety bond must be as specified in Section 724.251.

3) The owner or operator who uses a surety bond to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the bond, all payments made thereunder will be deposited by the surety directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements specified in subsection (a), except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the surety bond; and

B) Until the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (as specified in Section 724.251) to show current post-closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The bond must guarantee that the owner or operator will:

A) Fund the standby trust fund in an amount equal to the penal sum of the bond before the beginning of final closure of the facility; or

B) Fund the standby trust fund in an amount equal to the penal sum within 15 days after an order to begin closure is issued by the Board or a U.S. district court or other court of competent jurisdiction; or

C) Provide alternate financial assurance as specified in this Section, and obtain the Agency's written approval of the assurance provided, within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the bond from the surety.

5) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond.

6) The penal sum of the bond must be in an amount at least equal to the current post-closure cost estimate, except as provided in subsection (g).

7) Whenever the current post-closure cost estimate increases to an amount greater than the penal sum, the owner or operator, within 60 days after the increase, shall either cause the penal sum to be increased to an amount at least equal to the current post-closure cost estimate and submit evidence of such increase to the Agency or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current post-closure cost estimate decreases, the penal sum may be reduced to the amount of the current post-closure cost estimate following written approval by the Agency.

8) Under the terms of the bond, the surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidence by the return receipts.

9) The owner or operator may cancel the bond if the Agency has given prior written consent based on its receipt of evidence of alternate financial assurance as specified in this Section.

c) Surety bond guaranteeing performance of post-closure care.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting the bond to the Agency. An owner or operator of a new facility shall submit the bond to the Agency at least 60 days before the date on which hazardous waste is first received for disposal. The bond must be effective before this initial receipt of hazardous waste. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury.

2) The wording of the surety bond must be as specified in Section 724.251.

3) The owner or operator who uses a surety bond to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the bond, all payments made thereunder will be deposited by the surety directly into the standby trust fund in accordance with instructions from the Agency. This standby trust must meet the requirements specified in subsection (a), except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the surety bond; and

B) Unless the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (as specified in Section 724.251) to show current post-closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The bond must guarantee that the owner or operator will:

A) Perform final post-closure care in accordance with the post-closure plan and other requirements of the permit for the facility; or

B) Provide alternate financial assurance as specified in this Section, and obtain the Agency's written approval of the assurance provided, within 90 days of receipt by both the owner or operator and the Agency of a notice of cancellation of the bond from the surety.

5) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond. Following a final judicial determination or Board order finding that the owner or operator has failed to perform post-closure care in accordance with the approved post-closure plan and other permit requirements, under the terms of the bond the surety will perform post-closure care in accordance with post-closure plan and other permit requirements or will deposit the amount of the penal sum into the standby trust fund.

6) The penal sum of the bond must be in an amount at least equal to the current post-closure cost estimate.

7) Whenever the current post-closure cost estimate increases to an amount greater than the penal sum during the operating life of the facility, the owner or operator, within 60 days after the increase, shall either cause the penal sum to be increased to an amount at least equal to the current post-closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section. Whenever the current closure cost estimate decreases during the operating life of the facility, the penal sum may be reduced to the amount of the current post-closure cost estimate following written approval by the Agency.

8) During the period of post-closure care, the Agency shall approve a decrease in the penal sum if the owner or operator demonstrates to the Agency that the amount exceeds the remaining cost of post-closure care.

9) Under the terms of the bond, the surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

10) The owner or operator may cancel the bond if the Agency has given prior written consent. The Agency shall provide such written consent when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

11) The surety will not be liable for deficiencies in the performance of post-closure care by the owner or operator after the Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

d) Post-closure letter of credit.

1) An owner or operator may satisfy the requirements of this Section by obtaining an irrevocable standby letter of credit which conforms to the requirements of this subsection and submitting the letter to the Agency. An owner or operator of a new facility shall submit the letter of credit to the Agency at least 60 days before the date on which hazardous waste is first received for disposal. The letter of credit must be effective before this initial receipt of hazardous waste. The issuing institution must be an entity which has the authority to issue letters of credit and whose letter-of-credit operations are regulated and examined by a Federal or State agency.

2) The wording of the letter of credit must be as specified in Section 724.251.

3) An owner or operator who uses a letter of credit to satisfy the requirements of this Section shall also establish a standby trust fund. Under the terms of the letter of credit, all amounts paid pursuant to a draft by the Agency will be deposited by the issuing institution directly into the standby trust fund in accordance with instructions from the Agency. This standby trust fund must meet the requirements of the trust fund specified in subsection (a), except that:

A) An original, signed duplicate of the trust agreement must be submitted to the Agency with the letter of credit; and

B) Unless the standby trust fund is funded pursuant to the requirements of this Section, the following are not required by these regulations:

i) Payments into the trust fund as specified in subsection (a);

ii) Updating of Schedule A of the trust agreement (as specified in Section 724.251) to show current post-closure cost estimates;

iii) Annual valuations as required by the trust agreement; and

iv) Notices of nonpayment as required by the trust agreement.

4) The letter or credit must be accompanied by a letter from the owner or operator referring to the letter of credit by number, issuing institution, and date and providing the following information: the EPA Identification Number, name and address of the facility, and the amount of funds assured for post-closure care of the facility by the letter of credit.

5) The letter of credit must be irrevocable and issued for a period of at least 1 year. The letter of credit must provide that the expiration date will be automatically extended for a period of at least 1 year unless, at least 120 days before the current expiration date, the issuing institution notifies both the owner or operator and the Agency by certified mail of a decision not to extend the expiration date. Under the terms of the letter of credit, the 120 days will begin on the date when both the owner or operator and the Agency have received the notice, as evidenced by the return receipts.

6) The letter of credit must be issued in an amount at least equal to the current post-closure cost estimate, except as provided in subsection (g).

7) Whenever the current post-closure cost estimate increases to an amount greater than the amount of the credit during the operating life of the facility, the owner or operator, within 60 days after the increase, shall either cause the amount of the credit to be increased so that it at least equals the current post-closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current post-closure cost estimate decreases during the operating life of the facility, the amount of the credit may be reduced to the amount of the current post-closure cost estimate following written approval by the Agency.

8) During the period of post-closure care, the Agency shall approve a decrease in the amount of the letter of credit if the owner or operator demonstrates to the Agency that the amount exceeds the remaining cost of post-closure care.

9) Following a final judicial determination or Board order finding that the owner or operator has failed to perform post-closure care in accordance with the approved post-closure plan and other permit requirements, the Agency may draw on the letter of credit.

10) If the owner or operator does not establish alternate financial assurance as specified in this Section and obtain written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice from the issuing institution that it has decided not to extend the letter of credit beyond the current expiration date, the Agency shall draw on the letter of credit. The Agency may delay the drawing if the issuing institution grants an extension of the term of the credit. During the last 30 days of any such extension the Agency shall draw on the letter of credit if the owner or operator has failed to provide alternate financial assurance as specified in this Section and obtain written approval of such assurance from the Agency.

11) The Agency shall return the letter of credit to the issuing institution for termination when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

e) Post-closure insurance.

1) An owner or operator may satisfy the requirements of this Section by obtaining post-closure insurance which conforms to the requirements of this subsection and submitting a certificate of such insurance to the Agency. An owner or operator of a new facility shall submit the certificate of insurance to the Agency at least 60 days before the date on

which hazardous waste is first received for disposal. The insurance must be effective before this initial receipt of hazardous waste. At a minimum, the insurer shall be licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more states.

2) The wording of the certificate of insurance must be as specified in Section 724.251.

3) The post-closure insurance policy must be issued for a face amount at least equal to the current post-closure cost estimate, except as provided in subsection (g). The term "face amount" means the total amount the insurer is obligated to pay under the policy. Actual payments by the insurer will not change the face amount, although the insurer's future liability will be lowered by the amount of the payments.

4) The post-closure insurance policy must guarantee that funds will be available to provide post-closure care of facility whenever the post-closure period begins. The policy must also guarantee that, once post-closure care begins, the insurer will be responsible for paying out funds, up to an amount equal to the face amount of the policy, upon the direction of the Agency to such party or parties as the Agency specifies.

5) An owner or operator or any other person authorized to perform post-closure care may request reimbursement for post-closure care expenditures by submitting itemized bills to the Agency. Within 60 days after receiving bills for post-closure activities, the Agency shall instruct the insurer to make reimbursement in such amounts as the Agency specifies in writing if the Agency determines that the post-closure care expenditures are in accordance with the approved post-closure plan or otherwise justified. If the Agency does not instruct the insurer to make such reimbursements, the Agency shall provide the owner or operator with a detailed written statement of reasons.

6) The owner or operator shall maintain the policy in full force and effect until the Agency consents to termination of the policy by the owner or operator as specified in subsection (e)(11). Failure to pay the premium, without substitution of alternate financial assurance as specified in this Section, will constitute a significant violation of these regulations, warranting such remedy as the Board may impose pursuant to the Environmental Protection Act. Such violation will be deemed to begin upon receipt by the Agency of a notice of future cancellation, termination or failure to renew due to nonpayment of the premium, rather than upon the date of expiration.

7) Each policy must contain a provision allowing assignment of the policy to a successor owner or operator. Such assignment may be conditional upon consent of the insurer, provided such consent is not unreasonably refused.

8) The policy must provide that the insurer may not cancel, terminate or fail to renew the policy except for failure to pay the premium. The automatic renewal of the policy must, at a minimum, provide the insured with the option of renewal at the face amount of the expiring policy. If there is a failure to pay the premium, the insurer may elect to cancel, terminate or fail to renew the policy by sending notice by certified mail to the owner or operator and the Agency. Cancellation, termination or failure to renew may not occur, however, during the 120 days beginning with the date of receipt of the notice by both the Agency and the owner or operator, as evidenced by the return receipts. Cancellation, termination or failure to renew may not occur and the policy will remain in full force and effect in the event that on or before the date of expiration:

A) The Agency deems the facility abandoned; or

B) The permit is terminated or revoked or a new permit is denied; or

C) Closure is ordered by the Board or a U.S. district court or other court of competent jurisdiction; or

D) The owner or operator is named as debtor in a voluntary or involuntary proceeding under 11 U.S.C. (Bankruptcy); or

E) The premium due is paid.

9) Whenever the current post-closure cost estimate increases to an amount greater than the face amount of the policy during the life of the facility, the owner or operator, within 60 days after the increase, shall either cause the face amount to be increased to an amount at least equal to the current post-closure cost estimate and submit evidence of such increase to the Agency, or obtain other financial assurance as specified in this Section to cover the increase. Whenever the current post-closure cost estimate decreases during the operating life of the facility, the face amount may be reduced to the amount of the current post-closure cost estimate following written approval by the Agency.

10) Commencing on the date that liability to make payments pursuant to the policy accrues, the insurer shall thereafter annually increase the face amount of the policy. Such increase must be equivalent to the face amount of the policy, less any payments made, multiplied by an amount equivalent to 85 percent of the most recent investment rate or of the equivalent coupon-issue yield announced by the U.S. Treasury for 26-week Treasury securities.

11) The Agency shall give written consent to the owner or operator that the owner or operator may terminate the insurance policy when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

f) Financial test and corporate guarantee for post-closure care.

1) An owner or operator may satisfy the requirements of this Section by demonstrating that it passes a financial test as specified in this subsection. To pass this test the owner or operator shall meet the criteria of either subsection (f)(1)(A) or (f)(1)(B):

A) The owner or operator shall have:

i) Two of the following three ratios: a ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5; and

ii) Net working capital and tangible net worth each at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assets in the United States amounting to at least 90 percent of its total assets or at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates.

B) The owner or operator shall have:

i) A current rating for its most recent bond issuance of AAA, AA, A or BBB as issued by Standard and Poor's or Aaa, Aa, A or Baa as issued by Moody's; and

ii) Tangible net worth at least six times the sum of the current closure and post-closure cost estimates and current plugging and abandonment cost estimates; and

iii) Tangible net worth of at least $10 million; and

iv) Assets located in the United States amounting to at least 90 percent of its total assets or at least six times the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates.

2) The phrase "current closure and post-closure cost estimates" as used in subsection (f)(1) refers to the cost estimates

required to be shown in subsections 1 through 4 of the letter from the owner's or operator's chief financial officer (40 CFR 264.151(f)) (incorporated by reference in Section 724.251). The phrase "current plugging and abandonment cost estimates" as used in subsection (f)(1) refers to the cost estimates required to be shown in subsections 1 through 4 of the letter from the owner's or operator's chief financial officer (40 CFR 144.70(f), incorporated by reference in 35 Ill. Adm. Code 704.240.

3) To demonstrate that it meets this test, the owner or operator shall submit the following items to the Agency:

A) A letter signed by the owner's or operator's chief financial officer and worded as specified in Section 724.251; and

B) A copy of the independent certified public accountant's report on examination of the owner's or operator's financial statements for the latest completed fiscal year; and

C) A special report from the owner's or operator's independent certified public accountant to the owner or operator stating that:

i) The accountant has compared the data which the letter from the chief financial officer specifies as having been derived from the independently audited, year-end financial statements for the latest fiscal year with the amounts in such financial statements; and

ii) In connection with that procedure, no matters came to the accountant's attention which caused the accountant to believe that the specified data should be adjusted.

4) An owner or operator of a new facility shall submit the items specified in subsection (f)(3) to the Agency at least 60 days before the date on which hazardous waste is first received for disposal.

5) After the initial submission of items specified in subsection (f)(3), the owner or operator shall send updated information to the Agency within 90 days after the close of each succeeding fiscal year. This information must consist of all three items specified in subsection (f)(3).

6) If the owner or operator no longer meets the requirements of subsection (f)(1), the owner or operator shall send notice to the Agency of intent to establish alternate financial assurance as specified in this Section. The notice must be sent by certified mail within 90 days after the end of the fiscal year for which the year-end financial data show that the. owner or operator no longer meets the requirements the owner or operator shall provide the alternate financial assurance within 120 days after the end of such fiscal year.

7) The Agency may, based on a reasonable belief that the owner or operator may no longer meet the requirements of subsection (f)(1), require reports of financial condition at any time from the owner or operator in addition to those specified in subsection (f)(3). If the Agency finds, on the basis of such reports or other information, that the owner or operator no longer meets the requirements of subsection (f)(1), the owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of such a finding.

8) The Agency may disallow use of this test on the basis of qualifications in the opinion expressed by the independent certified public accountant in the accountant's report on examination of the owner's or operator's financial statements (see subsection (f)(3)(B)). An adverse opinion or a disclaimer of opinion will be cause for disallowance. The Agency shall evaluate other qualifications on an individual basis. The owner or operator shall provide alternate financial assurance as specified in this Section within 30 days after notification of the disallowance.

9) During the period of post-closure care, the Agency shall approve a decrease in the current post-closure cost estimate for which this test demonstrates financial assurance if the owner or operator demonstrates to the Agency that the amount of the cost estimate exceeds the remaining cost of post-closure care.

10) The owner or operator is no longer required to submit the items specified in subsection (f)(3) when:

A) An owner or operator substitutes alternate financial assurance as specified in this Section; or

B) The Agency releases the owner or operator from the requirements of this Section in accordance with subsection (i).

11) An owner or operator may meet the requirements of this Section by obtaining a written guarantee, hereafter referred to as "corporate guarantee." The guarantor shall be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or operator, or a firm with a "substantial business relationship" with the owner or operator. The guarantor shall meet the requirements for owners or operators in subsections (f)(1) through (f)(9), and shall comply with the terms of the corporate guarantee. The wording of the corporate guarantee must be as specified in Section 724.251. ~~The~~A certified copy of the corporate guarantee must accompany the items sent to the Agency as specified in subsection (f)(3). One of these items must be the letter from the guarantor's chief financial officer. If the guarantor's parent corporation is also the parent corporation of the owner or operator, the letter must describe the value received in consideration of the guarantee. If the guarantor is a firm with a "substantial

business relationship" with the owner or operator, this letter must describe this "substantial business relationship" and the value received in consideration of the guarantee. The terms of the corporate guarantee must provide that:

A) If the owner or operator fails to perform post-closure care of a facility covered by the corporate guarantee in accordance with the post-closure plan and other permit requirements whenever required to do so, the guarantor will do so or establish a trust fund as specified in subsection (a) in the name of the owner or operator.

B) The corporate guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Agency. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the owner or operator and the Agency, as evidenced by the return receipts.

C) If the owner or operator fails to provide alternate financial assurance as specified in this Section and obtain the written approval of such alternate assurance from the Agency within 90 days after receipt by both the owner or operator and the Agency of a notice of cancellation of the corporate guarantee from the guarantor, the guarantor will provide such alternate financial assurance in the name of the owner or operator.

g) Use of multiple financial mechanisms. An owner or operator may satisfy the requirements of this Section by establishing more than one financial mechanism per facility. These mechanisms are limited to trust funds, surety bonds guaranteeing payment into a trust fund, letters of credit and insurance. The mechanisms must be as specified in subsections (a), (b), (d) and (e), respectively, except that it is the combination of mechanisms, rather than the single mechanism, which must provide financial assurance for an amount at least equal to the current post-closure cost estimate. If an owner or operator uses a trust fund in combination with a surety bond or a letter of credit, it may use the trust fund as the standby trust fund for the other mechanisms. A single standby trust fund may be established for two or more mechanisms. The Agency may use any or all of the mechanisms to provide for post-closure care of the facility.

h) Use of a financial mechanism for multiple facilities. An owner or operator may use a financial assurance mechanism specified in this Section to meet the requirements of this Section for more than one facility. Evidence of financial assurance submitted to the Agency must include a list showing, for each facility, the EPA Identification Number, name, address and the amount of funds for post-closure care assured by the mechanism. The amount of funds available through the mechanism must be no less than the sum of funds that would be available if a separate mechanism had been established and maintained for each facility. The amount of funds

available to the Agency must be sufficient to close all of the owner or operator's facilities. In directing funds available through the mechanism for post-closure care of any of the facilities covered by the mechanism, the Agency may direct only the amount of funds designated for that facility, unless the owner or operator agrees to the use of additional funds available under the mechanism.

i) Release of the owner or operator from the requirements of this Section. Within 60 days after receiving certifications from the owner or operator and an independent registered professional engineer that the post-closure care period has been completed for a hazardous waste disposal unit in accordance with the approved plan, the Agency shall notify the owner or operator that it is no longer required to maintain financial assurance for post-closure care of that unit unless the Agency determines that post-closure care has not been in accordance with the approved post-closure plan. The Agency shall provide the owner or operator with a detailed written statement of any such determination that post-closure care has not been in accordance with the approved post-closure plan.

j) Appeal. The following Agency actions are deemed to be permit modifications or refusals to modify for purposes of appeal to the Board (35 Ill. Adm. Code 702.184(e)(3)):

1) An increase in, or a refusal to decrease the amount of, a bond, letter of credit or insurance;

2) Requiring alternate assurance upon a finding that an owner or operator, or parent corporation, no longer meets a financial test.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.247 Liability Requirements

a) Coverage for sudden accidental occurrences. An owner or operator of a hazardous waste treatment, storage or disposal facility, or a group of such facilities, shall demonstrate financial responsibility for bodily injury and property damage to third parties caused by sudden accidental occurrences arising from operations of the facility or group of facilities. The owner or operator shall have and maintain liability coverage for sudden accidental occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million, exclusive of legal defense costs. This liability coverage may be demonstrated as specified in subsections (a)(1), (2), (3), (4), (5) or (6) below:

1) An owner or operator may demonstrate the required liability coverage by having liability insurance as specified in this subsection.

A) Each insurance policy must be amended by attachment of the Hazardous Waste Facility Liability Endorsement or evidenced by a Certificate of Liability Insurance. The wording of the endorsement must be as specified in

Section 724.251. The wording of the certificate of insurance must be as specified in Section 724.251. The owner or operator shall submit a signed duplicate original of the endorsement or the certificate of insurance to the Agency. If requested by the Agency, the owner or operator shall provide a signed duplicate original of the insurance policy. An owner or operator of a new facility shall submit the signed duplicate original of the Hazardous Waste Facility Liability Endorsement or the Certificate of Liability Insurance to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The insurance must be effective before this initial receipt of hazardous waste.

B) Each insurance policy must be issued by an insurer which is licensed by the Illinois Department of Insurance.

2) An owner or operator may meet the requirements of this Section by passing a financial test or using the guarantee for liability coverage as specified in subsections (f) and (g) below.

3) An owner or operator may meet the requirements of this Section by obtaining a letter of credit for liability coverage as specified in subsection (h) below.

4) An owner or operator may meet the requirements of this Section by obtaining a surety bond for liability coverage as specified in subsection (i) below.

5) An owner or operator may meet the requirements of this Section by obtaining a trust fund for liability coverage as specified in subsection (j) below.

6) An owner or operator may demonstrate the required liability coverage through the use of combinations of insurance, financial test, guarantee, letter of credit, surety bond and trust fund, except that the owner or operator may not combine a financial test covering part of the liability coverage requirement with a guarantee unless the financial statement of the owner or operator is not consolidated with the financial statement of the guarantor. The amounts of coverage demonstrated must total at least the minimum amounts required by this Section. If the owner or operator demonstrates the required coverage through the use of a combination of financial assurances under this subsection, the owner or operator shall specify at least one such assurance as "primary" coverage, and shall specify other such assurance as "excess" coverage.

7) An owner or operator shall notify the Agency within 30 days whenever:

~~A) Whenever a claim for bodily injury or property damage caused by the operation of a hazardous waste~~

~~treatment, storage or disposal facility is made against the owner or operator or an instrument providing financial assurance for liability coverage under this Section; or~~

~~B) Whenever the amount of financial assurance for liability coverage under this Section provided by a financial instrument authorized by subsections (a)(1) through (a)(6) above is reduced.~~

A) A claim results in a reduction in the amount of financial assurance for liability coverage provided by a financial instrument authorized in subsections (a)(1) through (a)(6) above.

B) A Certification of Valid Claim for bodily injury or property damages caused by sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is entered between the owner or operator and third-party claimant for liability coverage under subsections (a)(1) through (a)(6) above; or

C) A final court order establishing a judgement for bodily injury or property damage caused by a sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is issued against the owner or operator or an instrument that is providing financial assurance for liability coverage under subsections (a)(1) through (a)(6) above.

b) Coverage for nonsudden accidental occurrences. An owner or operator of a surface impoundment, landfill, land treatment facility or disposal miscellaneous unit which is used to manage hazardous waste, or a group of such facilities, shall demonstrate financial responsibility for bodily injury and property damage to third parties caused by nonsudden accidental occurrences arising from operations of the facility or group of facilities. The owner or operator shall have and maintain liability coverage for nonsudden accidental occurrences in the amount of at least $3 million per occurrence with an annual aggregate of at least $6 million, exclusive of legal defense costs. An owner or operator meeting the requirements of this Section may combine the required per-occurrence coverage levels for sudden and nonsudden accidental occurrences into a single per-occurrence level, and combine the required annual aggregate coverage levels for sudden and nonsudden accidental occurrences into a single annual aggregate level. Owners or operators who combine coverage levels for sudden and nonsudden accidental occurrences shall maintain liability coverage in the amount of at least $4 million per occurrence and $8 million annual aggregate. This liability coverage may be demonstrated as specified in subsections (b)(1), (2), (3), (4), (5) or (6) below:

1) An owner or operator may demonstrate the required liability coverage by having liability insurance as specified in this subsection.

A) Each insurance policy must be amended by attachment of the Hazardous Waste Facility Liability Endorsement or evidenced by a Certificate of Liability Insurance. The wording of the endorsement must be as specified in Section 724.251. The wording of the certificate of insurance must be as specified in Section 724.251. The owner or operator shall submit a signed duplicate original of the endorsement or the certificate of insurance to the Agency. If requested by the Agency, the owner or operator shall provide a signed duplicate original of the insurance policy. An owner or operator of a new facility shall submit the signed duplicate original of the Hazardous Waste Facility Liability Endorsement or the Certificate of Liability Insurance to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal. The insurance must be effective before this initial receipt of hazardous waste.

B) Each insurance policy must be issued by an insurer which is licensed by the Illinois Department of Insurance.

2) An owner or operator may meet the requirements of this Section by passing a financial test or using the guarantee for liability coverage as specified in subsections (f) and (g) below.

3) An owner or operator may meet the requirements of this Section by obtaining a letter of credit for liability coverage as specified in subsection (h) below.

4) An owner or operator may meet the requirements of this Section by obtaining a surety bond for liability coverage as specified in subsection (i) below.

5) An owner or operator may meet the requirements of this Section by obtaining a trust fund for liability coverage as specified in subsection (j) below.

6) An owner or operator may demonstrate the required liability coverage through the use of combinations of insurance, financial test, guarantee, letter of credit, surety bond and trust fund, except that the owner or operator may not combine a financial test covering part of the liability coverage requirement with a guarantee unless the financial statement of the owner or operator is not consolidated with the financial statement of the guarantor. The amounts of coverage demonstrated must total at least the minimum amounts required by this Section. If the owner or operator demonstrates the required coverage through the use of a combination of financial assurances under this subsection, the owner or operator shall specify at least one such assurance as "primary" coverage, and shall specify other such assurance as "excess" coverage.

7) An owner or operator shall notify the Agency within 30 days

whenever:

~~A) Whenever a claim for bodily injury or property damage caused by the operation of a hazardous waste treatment, storage or disposal facility is made against the owner or operator or an instrument providing financial assurance for liability coverage under this Section; or~~

~~B) Whenever the amount of financial assurance for liability coverage under this Section provided by a financial instrument authorized by subsections (a)(1) through (a)(6) above is reduced.~~

A) A claim results in a reduction in the amount of financial assurance for liability coverage provided by a financial instrument authorized in subsections (b)(1) through (b)(6) above.

B) A Certification of Valid Claim for bodily injury or property damages caused by sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is entered between the owner or operator and third-party claimant for liability coverage under subsections (b)(1) through (b)(6) above; or

C) A final court order establishing a judgement for bodily injury or property damage caused by a sudden or non-sudden accidental occurrence arising from the operation of a hazardous waste treatment, storage, or disposal facility is issued against the owner or operator or an instrument that is providing financial assurance for liability coverage under subsections (b)(1) through (b)(6) above.

c) Request for adjusted level of required liability coverage. If an owner or operator demonstrates to the Agency that the levels of financial responsibility required by subsections (a) or (b) above are not consistent with the degree and duration of risk associated with treatment, storage or disposal at the facility or group of facilities, the owner or operator may obtain an adjusted level of required liability coverage from the Agency. The request for an adjusted level of required liability coverage must be submitted to the Agency as part of the application under 35 Ill. Adm. Code 703.182 for a facility that does not have a permit, or pursuant to the procedures for permit modification under 35 Ill. Adm. Code 705.128 for a facility that has a permit. If granted, the modification will take the form of an adjusted level of required liability coverage, such level to be based on the Agency assessment of the degree and duration of risk associated with the ownership or operation of the facility or group of facilities. The Agency may require an owner or operator who requests an adjusted level of required liability coverage to provide such technical and engineering information as is necessary to determine a level of financial responsibility other than that required by subsection (a) or (b) above. Any request for an adjusted level of required liability coverage for a permitted facility will be

treated as a request for a permit modification under 35 Ill. Adm. Code 703.271(e)(3) and 705.128.

d) Adjustments by the Agency. If the Agency determines that the levels of financial responsibility required by subsection (a) or (b) above are not consistent with the degree and duration of risk associated with treatment, storage or disposal at the facility or group of facilities, the Agency shall adjust the level of financial responsibility required under subsection (a) or (b) above as may be necessary to protect human health and the environment. This adjusted level must be based on the Agency's assessment of the degree and duration of risk associated with the ownership or operation of the facility or group of facilities. In addition, if the Agency determines that there is a significant risk to human health and the environment from nonsudden accidental occurrences resulting from the operations of a facility that is not a surface impoundment, landfill or land treatment facility, the Agency may require that an owner or operator of the facility comply with subsection (b) above. An owner or operator shall furnish to the Agency, within a time specified by the Agency in the request, which must be not be less than 30 days, any information which the Agency requests to determine whether cause exists for such adjustments of level or type of coverage. Any adjustment of the level or type of coverage for a facility that has a permit will be treated as a permit modification under 35 Ill. Adm. Code 703.271(e)(3) and 705.128.

e) Period of coverage. Within 60 days after receiving certifications from the owner or operator and an independent registered professional engineer that final closure has been completed in accordance with the approved closure plan, the Agency shall notify the owner or operator in writing that the owner or operator is no longer required by this Section to maintain liability coverage for that facility, unless the Agency determines that closure has not been in accordance with the approved closure plan.

f) Financial test for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by demonstrating that it passes a financial test as specified in this subsection. To pass this test the owner or operator shall meet the criteria of subsection (f)(1)(A) or (B) below:

A) The owner or operator shall have:

i) Net working capital and tangible net worth each at least six times the amount of liability coverage to be demonstrated by this test; and

ii) Tangible net worth of at least $10 million; and

iii) Assets in the United States amounting to either: at least 90 percent of the total assets; or at least six times the amount of liability coverage to be demonstrated by this test.

B) The owner or operator shall have:

i) A current rating for its most recent bond issuance of AAA, AA, A or BBB as issued by Standard and Poor's, or Aaa, Aa, A or Baa as issued by Moody's; and

ii) Tangible net worth of at least $10 million; and

iii) Tangible net worth at least six times the amount of liability coverage to be demonstrated by this test; and

iv) Assets in the United States amounting to either: at least 90 percent of the total assets; or at least six times the amount of liability coverage to be demonstrated by this test.

2) The phrase "amount of liability coverage" as used in subsection (f)(1) above refers to the annual aggregate amounts for which coverage is required under subsections (a) and (b) above.

3) To demonstrate that it meets this test, the owner or operator shall submit the following three items to the Agency:

A) A letter signed by the owner's or operator's chief financial officer and worded as specified in Section 724.251. If an owner or operator is using the financial test to demonstrate both assurance for closure or post-closure care, as specified by Sections 724.243(f) and 724.245(f) and 35 Ill. Adm. Code 725.243(e) and 725.245(e), and liability coverage, it shall submit the letter specified in Section 724.251 to cover both forms of financial responsibility; a separate letter as specified in Section 724.251 is not required.

B) A copy of the independent certified public accountant's report on examination of the owner's or operator's financial statements for the latest completed fiscal year.

C) A special report from the owner's or operator's independent certified public accountant to the owner or operator stating that:

i) The accountant has compared the data which the letter from the chief financial officer specifies as having been derived from the independently audited, year-end financial statements for the latest fiscal year with the amounts in such financial statements; and

ii) In connection with that procedure, no matters came to the accountant's attention which caused the accountant to believe that the specified data should be adjusted.

4) An owner or operator of a new facility shall submit the items specified in subsection (f)(3) above to the Agency at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal.

5) After the initial submission of items specified in subsection (f)(3) above, the owner of operator shall send updated information to the Agency within 90 days after the close of each succeeding fiscal year. This information must consist of all three items specified in subsection (f)(3) above.

6) If the owner or operator no longer meets the requirements of subsection (f)(1) above, the owner or operator shall obtain insurance, a letter of credit, a surety bond, a trust fund, or a guarantee for the entire amount of required liability coverage as specified in this Section. Evidence of insurance must be submitted to the Agency within 90 days after the end of the fiscal year for which the year-end financial data show that the owner or operator no longer meets the test requirements.

7) The Agency may disallow use of this test on the basis of qualifications in the opinion expressed by the independent certified public accountant in the accountant's report on examination of the owner's or operator's financial statements (see subsection (f)(3)(B) above). An adverse opinion or a disclaimer of opinion will be cause for disallowance. The Agency shall evaluate other qualifications on an individual basis. The owner or operator shall provide evidence of insurance for the entire amount of required liability coverage as specified in this Section within 30 days after notification of disallowance.

g) Guarantee for liability coverage.

1) Subject to subsection (g)(2) below, an owner or operator may meet the requirements of this Section by obtaining a written guarantee, referred to as a "guarantee." The guarantor shall be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or operator, or a firm with a "substantial business relationship" with the owner or operator. The guarantor shall meet the requirements for owners and operators in subsections (f)(1) through (f)(6) above. The wording of the guarantee must be as specified in Section 724.251. A certified copy of the guarantee must accompany the items sent to the Agency as specified in subsection (f)(3) above. One of these items must be the letter from the guarantor's chief financial officer. If the guarantor's parent corporation is also the parent corporation of the owner or operator, this letter must describe the value received in consideration of the guarantee. If the guarantor is a firm with a "substantial business relationship" with the owner or operator, this letter must describe this "substantial business relationship" and the value received in consideration of the guarantee. The terms of the guarantee must provide that:

A) If the owner or operator fails to satisfy a judgment based on a determination of liability for bodily injury or property damage to third parties caused by sudden or nonsudden accidental occurrences (or both as the case may be), arising from the operation of facilities covered by this guarantee, or fails to pay an amount agreed to in settlement of claims arising from or alleged to arise from such injury or damage, the guarantor will do so up to the limits of coverage.

B) The guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Agency. The guarantee must not be terminated unless and until the Agency approves alternate liability coverage complying with Section 724.247 or 35 Ill. Adm. Code 725.247.

2) The guarantor shall execute the guarantee in Illinois. The guarantee shall be accompanied by a letter signed by the guarantor which states that:

A) The guarantee was signed in Illinois by an authorized agent of the guarantor;

B) The guarantee is governed by Illinois law; and

C) The name and address of the guarantor's registered agent for service of process.

3) The guarantor shall have a registered agent pursuant to Section 5.05 of the Business Corporation Act of 1983 (Ill. Rev. Stat. 1991, ch. 32, par. 5.05 [805 ILCS 5/5.05]) or Section 105.05 of the General Not-for-Profit Corporation Act of 1986 (Ill. Rev. Stat. 1991, ch. 32, par. 105.05 [805 ILCS 105/105.05]).

h) Letter of credit for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by obtaining an irrevocable standby letter of credit which conforms to the requirements of this subsection, and submitting a copy of the letter of credit to the Agency.

2) The financial institution issuing the letter of credit shall be an entity which has the authority to issue letters of credit and whose letter of credit operations are regulated and examined by the Illinois Commissioner of Banks and Trust Companies.

3) The wording of the letter of credit must be as specified in Section 724.251.

4) An owner or operator who uses a letter of credit to satisfy the requirements of this Section may also establish a trust fund. Under the terms of such a letter of credit, all amounts paid pursuant to a draft by the trustee of the standby trust in accordance with instructions from the trustee. The trustee of the standby trust fund must be an

entity which has the authority to act as a trustee and whose trust operations are regulated and examined by the Illinois Commissioner of Banks and Trust Companies, or who complies with the Corporate Fiduciary Act (Ill. Rev. Stat. 1991, ch. 32, par. 1551-1 et seq. [205 ILCS 620/1-1 et seq.])

5) The wording of the standby trust fund must be identical to the wording specified in Section 724.251(n).

i) Surety bond for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by obtaining a surety bond which conforms to the requirements of this subsection and submitting a copy of the bond to the Agency.

2) The surety company issuing the bond shall be licensed by the Illinois Department of Insurance.

3) The wording of the surety bond must be as specified in Section 724.251.

j) Trust fund for liability coverage.

1) An owner or operator may satisfy the requirements of this Section by establishing a trust fund which conforms to the requirements of this subsection and submitting a signed, duplicate original of the trust agreement to the Agency.

2) The trustee shall be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by the Illinois Commissioner of Banks and Trust Companies, or who complies with the Corporate Fiduciary Act. (Ill. Rev. Stat. 1991, ch. 32, par. 1551-1 et seq. [205 ILCS 620/1-1 et seq.])

3) The trust fund for liability coverage must be funded for the full amount of the liability coverage to be provided by the trust fund before it may be relied upon to satisfy the requirements of this Section. If at any time after the trust fund is created the amount of funds in the trust fund is reduced below the full amount of liability coverage to be provided, the owner or operator, by the anniversary of the date of establishment of the fund, shall either add sufficient funds to the trust fund to cause its value to equal the full amount of liability coverage to be provided, or obtain other financial assurance as specified in this Section to cover the difference. For purposes of this subsection, "the full amount of the liability coverage to be provided" means the amount of coverage for sudden and nonsudden accidental occurrences required to be provided by the owner or operator by this Section, less the amount of financial assurance for liability coverage which is being provided by other financial assurance mechanisms being used to demonstrate financial assurance by the owner or operator.

4) The wording of the trust fund must be as specified in Section 724.251.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.251 Wording of the Instruments

The Board incorporates by reference 40 CFR 264.151 (1988), as amended at ~~53 Fed. Reg. 33950, September 1, 1988~~57 Fed. Reg. 42832, September 16, 1992. This Section incorporates no later amendments or editions. The Agency will promulgate standardized forms based on 40 CFR 264.151 with such changes in wording as are necessary under Illinois law. Any owner or operator required to establish financial assurance under this Subpart shall do so only upon the standardized forms promulgated by the Agency. The Agency shall reject any financial assurance document which is not submitted on such standardized forms.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART N: LANDFILLS

Section 724.414 Special Requirements for Bulk and Containerized Liquids

a) This subsection corresponds with 40 CFR 264.314(a), which pertains to pre May 8, 1985 actions, a date long since passed. This statement maintains structural consistency with USEPA rules.

~~a~~b) The placement of bulk or non-containerized liquid hazardous waste or hazardous waste containing free liquids (whether or not ~~ab~~sorbents have been added) in any landfill is prohibited.

~~b~~c) To demonstrate the absence or presence of free liquids in either a containerized or a bulk waste, the following test must be used: Method 9095 (Paint Filter Liquids Test) as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods." (EPA Publication No. SW-846, incorporated by reference in 35 Ill. Adm. Code 721.111.

~~c~~d) Containers holding free liquids must not be placed in a landfill unless;

1) All free-standing liquid:

A) has been removed by decanting or other methods;

B) has been mixed with ~~ab~~sorbent or solidified so that free-standing liquid is no longer observed; or

C) has been otherwise eliminated; or

2) The container is very small, such as an ampule; or

3) The container is designed to hold free liquids for use other than storage, such as a battery or capacitor; or

4) The container is a lab pack as defined in Section 724.416 and is disposed of in accordance with Section 724.416.

e) Sorbents used to treat free liquids to be disposed of in landfills must be nonbiodegradable. Nonbiodegradable sorbents are:

materials listed or described in subsection (e)(1) below; materials that pass one of the tests in subsection (e)(2) below; or materials that are determined by the Board to be nonbiodegradable through the 35 Ill. Adm. Code 106 adjusted standard process.

1) Nonbiodegradable sorbents are:

A) Inorganic minerals, other inorganic materials, and elemental carbon (e.g., aluminosilicates, clays, smectites, Fuller's earth, bentonite, calcium bentonite, montmorillonite, calcined montmorillonite, kaolinite, micas (illite), vermiculites, zeolites; calcium carbonate (organic free limestone); oxides/hydroxides, alumina, lime, silica (sand), diatomaceous earth; perlite (volcanic glass); expanded volcanic rock; volcanic ash; cement kiln dust; fly ash; rice hull ash; activated charcoal (activated carbon)); or

B) High molecular weight synthetic polymers (e.g., polyethylene, high density polyethylene (HDPE), polypropylene, polystrene, poly urethane, polycrylate, polynorborene, polyisobutylene, ground synthetic rubber, cross-linked allylstrene and tertiary butyl copolymers). This does not include polymers derived from biological material or polymers specifically designed to be degradable; or

C) Mixtures of these nonbiodegradable materials.

2) Tests for nonbiodegradable sorbents:

A) The sorbent material is determined to be nonbiodegradable under ASTM Method G21-70 (1984a) -- Standard Practice for Determining Resistance of Synthetic Polymer Materials to Fungi; or

B) The sorbent material is determined to be nonbiodegradable under ASTM Method G22-76 (1984b) -- Standard Practice for Determining Resistance of Plastics to Bacteria.

~~e~~f) The placement of any liquids which is not a hazardous waste in a landfill is prohibited (35 Ill. Adm. Code 729.311).

~~f~~) ~~Disposal of liquid wastes or wastes containing free liquids otherwise allowed under this Section must be authorized pursuant to 35 Ill. Adm. Code 709.401(a). As required by 35 Ill. Adm. Code 709.520(c), the Agency must require the addition of absorbents to any such waste, any provision of this Section notwithstanding.~~

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.416 Disposal of Small Containers of Hazardous Waste in Overpacked Drums (Lab Packs)

Small containers of hazardous waste in overpacked drums (lab packs) may be

placed in a landfill if the following requirements are met:

a) Hazardous waste must be packaged in non-leaking inside containers. The inside containers must be of a design and constructed of a material that will not react dangerously with, be decomposed by or be ignited by the contained waste. The inside containers must be tightly and securely sealed. The inside containers must be of the size and type specified in the Department of Transportation (DOT) hazardous materials regulations (49 CFR 173, 178 and 179), if those regulations specify a particular inside container for the waste.

b) The inside containers must be overpacked in an open head DOT-specification metal shipping container (49 CFR 178 and 179) of no more than 416 liter (110 gallon) capacity and surrounded by, at a minimum, a sufficient quantity of ~~absorbent~~sorbent material, determined to be nonbiodegradable in accordance with Section 724.414(e), to completely ~~ab~~sorb all of the liquid contents of the inside containers. The metal outer container must be full after packing with inside containers and ~~ab~~sorbent material.

c) In accordance with Section 724.117(b), the ~~ab~~sorbent material used must not be capable of reacting dangerously with, being decomposed by or being ignited by the contents of the inside containers, in accordance with 724.117(b).

d) Incompatible waste, as defined in 35 Ill. Adm. Code 720.110, must not be placed in the same outside container.

e) Reactive wastes, other than cyanide- or sulfide-bearing waste as defined in 35 Ill. Adm. Code 721.123(a)(5), must be treated or rendered non-reactive prior to packaging in accordance with subsections (a) through (d). Cyanide- and sulfide-bearing reactive waste may be packed in accordance with subsections (a) through (d) without first being treated or rendered non-reactive.

f) Such disposal is in compliance with 35 Ill. Adm. Code 728. Persons who incinerate lab packs according to 35 Ill. Adm. Code 728.142(c)(1) may use fiber drums in place of metal outer containers. Such fiber drums must meet the DOT specifications in 49 CFR 173.12 and be overpacked according to the requirements of subsection (b).

g) Pursuant to 35 Ill. Adm. Code 729.312, the use of labpacks for disposal of liquid wastes or wastes containing free liquids allowed under this Section is restricted to labwaste and non-periodic waste, as those terms are defined in that Part.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART W: DRIP PADS

Section 724.670 Applicability

a) The requirements of this Subpart apply to owners and operators of facilities that use new or existing drip pads to convey treated wood drippage, precipitation or surface water run-on to an

associated collection system.

1) "Existing drip pads" are:

A) Those constructed before December 6, 1990; and

B) Those for which the owner or operator has a design and has entered into binding financial or other agreements for construction prior to December 6, 1990.

2) All other drip pads are "new drip pads".

3) The requirements at Section 724.673(b)(3) to install a leak collection system applies only to those drip pads that are constructed after December 24, 1992 except for those constructed after December 24, 1992 for which the owner or operator has a design and has entered into binding financial or other agreements for construction prior to December 24, 1992.

b) The owner or operator of any drip pad that is inside or under a structure that provides protection from precipitation so that neither run-off nor run-on is generated is not subject to regulation under Section 724.672(e) or (f).

c) The requirements of this subsection are not applicable to the management of infrequent and incidental drippage in storage yards provided that the owner or operator maintains and complies with a written contingency plan that describes how the owner or operator will respond immediately to the discharge of infrequent and incidental drippage. At a minimum, the contingency plan must describe how the owner or operator will do the following:

1) Clean up the drippage;

2) Document the clean-up of the drippage;

3) Retain documentation regarding the clean-up for three years; and

4) Manage the contaminated media in a manner consistent with State and Federal regulations.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.671 Assessment of existing drip pad integrity

a) For each existing drip pad, the owner or operator shall evaluate the drip pad and determine that it meets all of the requirements of this Subpart, except the requirements for liners and leak detection systems of Section 724.673(b). No later than June 6, 1991, the owner or operator shall obtain and keep on file at the facility a written assessment of the drip pad, reviewed and certified by an independent, qualified registered professional engineer that attests to the results of the evaluation. The assessment must be reviewed, updated and re-certified annually until all upgrades, repairs or modifications necessary to achieve compliance with all of the standards of Section 724.673 are

complete. The evaluation must document the extent to which the drip pad meets each of the design and operating standards of Section 724.673, except the standards for liners and leak detection systems, specified in Section 724.673(b)~~, and must document the age of the drip pad to the extent possible, to document compliance with subsection (b)~~.

b) The owner or operator shall develop a written plan for upgrading, repairing and modifying the drip pad to meet the requirements of Section 724.673(b) and submit the plan to the Agency no later than 2 years before the date that all repairs, upgrades and modifications will be complete. This written plan must describe all changes to be made to the drip pad in sufficient detail to document compliance with all the requirements of Section 724.673 ~~and must document the age of the drip pad to the extent possible~~. The plan must be reviewed and certified by an independent qualified, registered professional engineer. All upgrades, repairs and modifications must be completed in accordance with the following:

1) For existing drip pads of known and documentable age, all upgrades, repairs and modifications must be completed by June 6, 1993, or when the drip pad has reached 15 years of age, whichever comes later.

2) For existing drip pads for which the age cannot be documented, by June 6, 1999; but, if the age of the facility is greater than 7 years, all upgrades, repairs and modifications must be completed by the time the facility reaches 15 years of age or by June 6, 1993, whichever comes later.

3) The owner or operator may petition the Board for an extension of the deadline in subsection (b)(1) or (2).

A) The owner or operator shall file a petition for a RCRA variance as specified in 35 Ill. Adm. Code 104.

B) The Board will grant the petition for extension if it finds that:

i) The drip pad meets all of the requirements of Section 724.673, except those for liners and leak detection systems specified in Section 724.673(b); and

ii) That it will continue to be protective of human health and the environment.

c) Upon completion of all upgrades, repairs and modifications, the owner or operator shall submit to the Agency, the as-built drawings for the drip pad, together with a certification by an independent, qualified, registered professional engineer attesting that the drip pad conforms to the drawings.

d) If the drip pad is found to be leaking or unfit for use, the owner or operator shall comply with the provisions of Section 724.672(m) or close the drip pad in accordance with Section 724.675.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.672 Design and installation of new drip pads

Owners and operators of new drip pads shall ensure that the pads are designed, installed and operated in accordance with ~~all~~one of the following:~~applicable requirements of Sections 724.673, 724.674 and 724.675.~~

a) All of the requirements of Sections 724.673 (except 724.673(a)(4)), 724.674 and 724.675; or

b) All of the requirements of Sections 724.673 (except 724.673(b)), 724.674 and 724.675.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.673 Design and operating requirements

a) Drip pads must:

1) Not be constructed of earthen materials, wood or asphalt, unless the asphalt is structurally supported;

2) Be sloped to free-drain to the associated collection system treated wood drippage, rain, other waters, or solutions of drippage and water or other wastes;

3) Have a curb or berm around the perimeter;

4) ~~Be impermeable, e.g., concrete pads must be sealed, coated or covered with an impermeable material such that the entire surface where drippage occurs or may run across is capable of containing such drippage and mixtures of drippage and precipitation, materials or other wastes while being routed to an associated collection system;~~In addition, the drip pad must:

A) Have a hydraulic conductivity of less than or equal to 1×10^{-7} centimeters per second (cm/sec), e.g., existing concrete drip pads must be sealed, coated, or covered with a surface material with a hydraulic conductivity of less than or equal to 1×10^{-7} cm/sec such that the entire surface where drippage occurs or may run across is capable of containing such drippage and mixtures of drippage and precipitation, materials or other wastes while being routed to an associated collection system. This surface material must be maintained free of cracks and gaps that could adversely affect its hydraulic conductivity, and the material must be chemically compatible with the preservatives that contact the drip pad. The requirements of this provision apply only to the existing drip pads and those drip pads for which the owner or operator elects to comply with Section 724.672(a) instead of Section 724.672(b).

B) The owner or operator must obtain and keep on file at the facility a written assessment of the drip pad,

reviewed and certified by an independent qualified registered professional engineer that attests to the results of the evaluation. The assessment must be reviewed, updated and recertified annually. The evaluation must document the extent to which the drip pad meets the design and operating standards of this Section, except for in subsection (b) below.

~~BOARD NOTE: The requirement that new drip pads be impermeable, e.g., that new drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The requirement that existing drip pads be impermeable, e.g., that drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The stays will remain in effect until the Board removes this note by further regulatory action implementing USEPA amendments at 57 Fed. Reg. 61492, December 24, 1992, expected in Docket R93-4. The extended State stay will not be construed as excusing owners or operators from complying with any federal requirements already in effect in Illinois.~~

5) Be of sufficient structural strength and thickness to prevent failure due to physical contact, climatic conditions, the stress of installation and the stress of daily operations, e.g., variable and moving loads such as vehicle traffic, movement of wood, etc.

BOARD NOTE: In judging the structural integrity requirement of this subsection, the Agency should generally consider applicable standards established by professional organizations generally recognized by the industry, including ACI 318 or ASTM C94, incorporated by reference in 35 Ill. Adm. Code 720.111.

b) ~~A drip pad or an existing drip pad, after the deadline established in Section 724.671(b),~~ If an owner or operator elects to comply with Section 724.672(b) instead of Section 724.672(a), the drip pad must have:

1) A synthetic liner installed below the drip pad that is designed, constructed and installed to prevent leakage from the drip pad into the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the drip pad. The liner must be constructed of materials that will prevent waste from being absorbed into the liner and to prevent releases into the adjacent subsurface soil or groundwater or surface water during the active life of the facility. The liner must be:

A) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or drip pad leakage to which they are exposed, climatic

conditions, the stress of installation and the stress of daily operation (including stresses from vehicular traffic on the drip pad);

B) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and

C) Installed to cover all surrounding earth that could come in contact with the waste or leakage; and

2) A leakage detection system immediately above the liner that is designed, constructed, maintained and operated to detect leakage from the drip pad. The leakage detection system must be:

A) Constructed of materials that are:

i) Chemically resistant to the waste managed in the drip pad and the leakage that might be generated; and

ii) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlaying materials and by any equipment used at the drip pad; and

B) Designed and operated to function without clogging through the scheduled closure of the drip pad; and

C) Designed so that it will detect the failure of the drip pad or the presence of a release of hazardous waste or accumulated liquid at the earliest practicable time.

3) A leaking collection system immediately above the liner that is designed, constructed, maintained and operated to collect leakage from the drip pad such that it can be removed from below the drip pad. The date, time, and quantity of any leakage collected in this system and removed must be documented in the operating log.

A) The drip pad surface must be cleaned thoroughly in a manner and frequency such that accumulated residues of hazardous waste or other materials are removed, with residues being properly managed as to allow weekly inspections of the entire drip pad surface without interference of hindrance from accumulated residues of hazardous waste or other materials on the drip pad. The owner or operator must document the date and time of each cleaning and cleaning procedure used in the facility's operating log. The owner or operator must determine if the residues are hazardous as per 35 Ill. Adm. Code 722.111 and, if so, must manage them under 35 Ill. Adm. Code 721 through 728, and Section 3010 of RCRA.

B) The Federal rules do not contain a 40 CFR 264.573(b)(3)(B). This subsection is added to conform to Illinois Administrative Code rules.

c) Drip pads must be maintained such that they remain free of cracks, gaps, corrosion or other deterioration that could cause hazardous waste to be released from the drip pad.

BOARD NOTE: See subsection (m) for remedial action required if deterioration or leakage is detected.

d) The drip pad and associated collection system must be designed and operated to convey, drain and collect liquid resulting from drippage or precipitation in order to prevent run-off.

e) Unless the drip pad is protected by a structure, as described in Section 724.670(b), the owner or operator shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the drip pad during peak discharge from at least a 24-hour, 25-year storm, unless the system has sufficient excess capacity to contain any run-on that might enter the system.

f) Unless the drip pad is protected by a structure or cover, as described in Section 724.670(b), the owner or operator shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

g) The drip pad must be evaluated to determine that it meets the requirements of subsections (a) through (f). The owner or operator shall obtain a statement from an independent, qualified, registered professional engineer certifying that the drip pad design meets the requirements of this Section,

h) Drippage and accumulated precipitation must be removed from the associated collection system as necessary to prevent overflow onto the drip pad.

i) The drip surface must be cleaned thoroughly at least once every seven days such that accumulated residues of hazardous waste or other materials are removed, using an appropriate and effective cleaning technique, including but not limited to, rinsing, washing with detergents or other appropriate solvents, or steam cleaning. The owner or operator shall document, in the facility's operating log; the date and time of each cleaning and the cleaning procedure used.

j) Drip pads must be operated and maintained in a manner to minimize tracking of hazardous waste or hazardous waste constituents off the drip pad as a result of activities by personnel or equipment.

k) After being removed from the treatment vessel, treated wood from pressure and non-pressure processes must be held on the drip pad until drippage has ceased. The owner or operator shall maintain records sufficient to document that all treated wood is held on the pad, in accordance with this Section, following treatment.

l) Collection and holding units associated with run-on and run-off

control systems must be emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system.

m) Throughout the active life of the drip pad and as specified in the permit, if the owner or operator detects a condition that could lead to or has caused a release of hazardous waste, the condition must be repaired within a reasonably prompt period of time following discovery, in accordance with the following procedures:

1) Upon detection of a condition that may have caused or has caused a release of hazardous waste (e.g., upon detection of leakage in the leak detection system), the owner or operator shall:

A) Enter a record of the discovery in the facility operating log;

B) Immediately remove from service the portion of the drip pad affected by the condition;

C) Determine what steps must be taken to repair the drip pad, clean up any leakage from below the drip pad, and establish a schedule for accomplishing the clean up and repairs;

D) Within 24 hours after discovery of the condition, notify the Agency of the condition and, within 10 working days, provide written notice to the Agency with a description of the steps that will be taken to repair the drip pad and clean up any leakage, and the schedule for accomplishing this work.

2) The Agency shall: review the information submitted; make a determination regarding whether the pad must be removed from service completely or partially until repairs and clean up are complete; and notify the owner or operator of the determination and the underlying rationale in writing.

3) Upon completing all repairs and clean up, the owner or operator shall notify the Agency in writing and provide a certification, signed by an independent, qualified, registered professional engineer, that the repairs and clean up have been completed according to the written plan submitted in accordance with subsection (m)(1)(D).

n) If a permit is necessary, the Agency shall specify in the permit all design and operating practices that are necessary to ensure that the requirements of this Section are satisfied.

o) The owner or operator shall maintain, as part of the facility operating log, documentation of past operating and waste handling practices. This must include identification of preservative formulations used in the past, a description of drippage management practices and a description of treated wood storage and handling practices.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART DD: CONTAINMENT BUILDINGS

Section 724.1100 Applicability

The requirements of this Subpart apply to owners or operators who store or treat hazardous waste in units designed and operated under Section 724.1101. These provisions will become effective on February 18, 1993. The owner or operator is not subject to the definition of land disposal in 35 Ill. Adm. Code 728.102 provided that the unit:

a) Is a completely enclosed, self-supporting structure that is designed and constructed of manmade materials of sufficient strength and thickness to support themselves, the waste contents, and any personnel and heavy equipment that operate within the unit, and to prevent failure due to:

1) pressure gradients;

2) settlement, compression, or uplift;

3) physical contact with the hazardous wastes to which they are exposed;

4) climatic conditions; or

5) the stresses of daily operation including the movement of heavy equipment within the unit and contact of such equipment within the unit and contact of such equipment with containment walls.

b) Has a primary barrier that is designed to be sufficiently durable to withstand the movement of personnel wastes, and handling equipment within the unit.

c) If used to manage liquids, the unit has:

1) A primary barrier designed and constructed of materials to prevent migration of hazardous constituents into the barrier;

2) A liquid collection system designed and constructed of materials to minimize the accumulation of liquid on the primary barrier; and

3) A secondary containment system designed and constructed of materials to prevent migration of hazardous constituents into the barrier, with a leak detection and liquid collection system capable of detecting, collecting, and removing leaks of hazardous constituents at the earliest practicable time, unless the unit has been granted a variance from the secondary containment system requirements under Section 724.1101(b)(4);

d) Has controls sufficient to permit fugitive dust emissions to meet the no visible emission standard in Section 724.1101(c)(1)(A); and

e) Is designed and operated to ensure containment and prevent the tracking of materials from the unit by personnel or equipment.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 724.1101 Design and operating standards

a) All containment buildings must comply with the following design and operating standards:

1) The containment building must be completely enclosed with a floor, walls, and a roof to prevent exposure to the elements (e.g. precipitation, wind, run on) and to assure containment of managed wastes.

2) The floor and containment walls of the unit, including the secondary containment system if required under subsection (b) of this Section, must be designed and constructed of materials of sufficient strength and thickness to support themselves, the waste contents, and any personnel and heavy equipment that operate within the unit, and to prevent failure due to pressure gradients, settlement, compression, or uplift, physical contact with the hazardous wastes to which they are exposed; climatic conditions; and the stresses of daily operation, including the movement of heavy equipment within the unit and contact of such equipment with containment walls. The unit must be designed so that it has sufficient structural strength to prevent collapse or other failure. All surfaces to be in contact with hazardous wastes must be chemically compatible with those wastes. The containment building shall meet the structural integrity requirements established by professional organizations generally recognized by the industry such as the American Concrete Institute [ACI] and the American Society of Testing Materials [ASTM]. If appropriate to the nature of the waste management operation to take place in the unit, an exception to the structural strength requirement may be made for light-weight doors and windows that meet these criteria:

A) They provide an effective barrier against fugitive dust emissions under subsection (c)(1)(C) below; and

B) The unit is designed and operated in a fashion that assures that wastes will not actually come in contact with these openings.

3) Incompatible hazardous wastes or treatment reagents must not be placed in the unit or its secondary containment system if they could cause the unit or secondary containment system to leak, corrode, or otherwise fail.

4) A containment building must have a primary barrier designed to withstand the movement of personnel, waste, and handling equipment in the unit during the operating life of the unit and appropriate for the physical and chemical characteristics of the waste to be managed.

b) For a containment building used to manage hazardous wastes containing free liquids or treated with free liquids (the presence of which is determined by the paint filter test, a visual examination, or other appropriate means), the owner or operator must include:

1) A primary barrier designed and constructed of materials to prevent the migration of hazardous constituents into the barrier (e.g., a geomembrane covered by a concrete wear surface).

2) A liquid collection and removal system to minimize the accumulation of liquid on the primary barrier of the containment building:

A) The primary barrier must be sloped to drain liquids to the associated collection system; and

B) Liquids and waste must be collected and removed to minimize hydraulic head on the containment system at the earliest practicable time.

3) A secondary containment system including a secondary barrier designed and constructed to prevent migration of hazardous constituents into the barrier, and a leak detection system that is capable of detecting failure of the primary barrier and collecting accumulated hazardous wastes and liquids at the earliest practicable time.

A) The requirements of the leak detection component of the secondary containment system are satisfied by installation of a system that is, at a minimum:

i) Constructed with a bottom slope of 1 percent or more; and

ii) Constructed of a granular drainage material with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches (30.5 cm) or more, or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-5} m^2/sec or more.

B) If treatment is to be conducted in the building, an area in which such treatment will be conducted must be designed to prevent the release of liquids, wet materials, or liquid aerosols to other portions of the building.

C) The secondary containment system must be constructed of materials that are chemically resistant to the waste and liquids managed in the containment building and of sufficient strength and thickness to prevent collapse under the pressure exerted by overlaying materials and by any equipment used in the containment building. (Containment buildings can serve as secondary containment systems for tanks placed within the building under certain conditions. A containment building can serve as an external liner system for a tank, provided it meets the requirements of Section 724.193(d)(1). In addition, the containment building must meet the requirements of Section 724.193(b) and Sections 724.193(c)(1) and (c)(2) to be an acceptable secondary containment system for a tank.)

4) For existing units other than 90-day generator units, USEPA may delay the secondary containment requirement for up to two years, based on a demonstration by the owner or operator that the unit substantially meets the standards of this Subpart. In making this demonstration, the owner or operator must:

A) Provide written notice to USEPA of their request by November 16, 1992. This notification must describe the unit and its operating practices with specific reference to the performance of existing systems, and specific plans for retrofitting the unit with secondary containment;

B) Respond to any comments from USEPA on these plans within 30 days; and

C) Fulfill the terms of the revised plans, if such plans are approved by USEPA.

c) Owners or operators of all containment buildings must:

1) Use controls and practice to ensure containment of the hazardous waste within the unit, and at a minimum:

A) Maintain the primary barrier to be free of significant cracks, gaps, corrosion, or other deterioration that could cause hazardous waste to be release from the primary barrier;

B) Maintain the level of the stored or treated hazardous waste within the containment walls of the unit so that the height of any containment wall is not exceeded;

C) Take measures to prevent the tracking of hazardous waste out of the unit by personnel or by equipment used in handling the waste. An area must be designated to decontaminate equipment and any rinsate must be collected and properly managed; and

D) Take measures to control fugitive dust emissions such that any openings (doors, windows, vents, cracks, etc.) exhibit no visible emissions (see 40 CFR 60, Appendix A, Method 22 - Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares). In addition, all associated particulate collection devices (e.g., fabric filter, electrostatic precipitator) must be operated and maintained with sound air pollution control practices (see 40 CFR 60 for guidance). This state of no visible emissions must be maintained effectively at all times during routine operating and maintenance conditions, including when vehicles and personnel are entering and exiting the unit.

BOARD NOTE: At 40 CFR 264.1101(c)(1)(iv), as added as 57 Fed. Reg. 37266 (Aug. 18, 1992), USEPA cites "40 CFR part 60, subpart 292". At 57 Fed. Reg. 37217,

USEPA repeats this citation in the preamble discussion of the rules. No such provision exists in the Code of Federal Regulations. The Board has chosen to use the more general citation: "40 CFR 60".

2) Obtain certification by a qualified registered professional engineer (PE) that the containment building design meets the requirements of subsections (a) through (c) of this Section. For units placed into operation prior to February 18, 1993, this certification must be placed in the facility's operating record (on-site files for generators who are not formally required to have operating records) no later than 60 days after the date of initial operation of the unit. After February 18, 1993, PE certification will be required prior to operation of the unit.

3) Throughout the active life of the containment building, if the owner or operator detects a condition that could lead to or has caused a release of hazardous waste, must repair the condition promptly. In addition, however:

A) Upon detection of a condition that has caused to a release of hazardous wastes (e.g., upon detection of leakage from the primary barrier) the owner or operator must:

i) Enter a record of the discovery in the facility operating record;

ii) Immediately remove the portion of the containment building affected by the condition from service;

iii) Determine what steps must be taken to repair the containment building, remove any leakage from the secondary collection system,and establish a schedule for accomplishing the cleanup and repairs; and

iv) Within 7 days after the discovery of the condition, notify the Agency in writing of the condition, and within 14 working days, provide a written notice to the Agency with a description of the steps taken to repair the containment building, and the schedule for accomplishing the work.

B) The Agency shall review the information submitted, make a determination in accordance with Section 34 of the Act, regarding whether the containment building must be removed from service completely or partially until repairs and cleanup are complete, and notify the owner or operator of the determination and the underlying rationale in writing.

C) Upon completing all repairs and cleanup the owner and operator must notify the Agency in writing and provide a verification, signed by a qualified, registered

professional engineer, that the repairs and cleanup have been completed according to the written plan submitted in accordance with subsection (c)(3)(A)(iv) above.

4) Inspect and record in the facility's operating record, at least once every seven days, data gathered from monitoring equipment and leak detection equipment as well as the containment building and the area immediately surrounding the containment building to detect signs of releases of hazardous waste.

d) For containment buildings that contain areas both with and without secondary containment, the owner or operator must:

1) Design and operate each area in accordance with the requirements enumerated in subsections (a) through (c) of this Section;

2) Take measures to prevent the release of liquids or wet materials into areas without secondary containment; and

3) Maintain in the facility's operating log a written description of the operating procedures used to maintain the integrity of areas without secondary containment.

e) Notwithstanding any other provision of this Subpart the Agency shall not require secondary containment for a permitted containment building where the owner operator demonstrates that the only free liquids in the unit are limited amounts of dust suppression liquids required to meet occupational health and safety requirements, and where containment of managed wastes and liquids can be assured without a secondary containment system.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

Section 724.1102 Closure and post closure care

a) At closure of a containment building, the owner or operator must remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated subsoils, and structures and equipment contaminated with waste and leachate, and manage them as hazardous waste unless 35 Ill. Adm. Code 721.103(c) applies. The closure plan, closure activities, cost estimates for closure, and financial responsibility for containment buildings must meet all of the requirements specified in 739.Subparts G and H.

b) If, after removing or decontaminating all residues and making all reasonable efforts to effect removal or decontamination of contaminated components, subsoils, structures, and equipment as required in subsection (a) above, the owner or operator finds that not all contaminated subsoils can be practicably removed or decontaminated, he must close the facility and perform post-closure care in accordance with the closure and post-closure requirements that apply to landfills (35 Ill. Adm. Code 724.310). In addition, for the purposes of closure, post-closure, and financial responsibility, such a containment building is then

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considered to be a landfill, and the owner or operator must meet all the requirements for landfills specified in 739.Subparts G and H.

(Source: Added at 17 Ill. Reg. _____, effective November 22, 1993)

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1) Heading of the Part: Standards for the Management of Specific Hazardous Waste and Specific Types of Hazardous Waste Management Facilities

2) Code Citation: 35 Ill. Adm. Code 726

3)

Section Numbers:	Adopted Action:
726.140, 726.141, 726.142	Repeal
726.143, 726.144	Repeal
726.200, 726.201, 726.203	Amendment
726.204, 726.206, 726.207	Amendment
726.212, 726.219	Amendment
726.Appendix I	Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9528 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

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15) Summary and purpose of rulemaking:

Amendments to Part 726 generally concern Tier I feed rates and Tier III standards. In addition, several sections which were replaced by new Part 739 were repealed.

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

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TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 726
STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTE AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES

SUBPART C: RECYCLABLE MATERIALS USED IN A MANNER CONSTITUTING DISPOSAL

Section
726.120 Applicability
726.121 Standards applicable to generators and transporters of materials used in a manner that constitutes disposal
726.122 Standards applicable to storers, who are not the ultimate users, of materials that are to be used in a manner that constitutes disposal
726.123 Standards applicable to users of materials that are used in a manner that constitutes disposal

SUBPART D: HAZARDOUS WASTE BURNED FOR ENERGY RECOVERY

Section
726.130 Applicability (Repealed)
726.131 Prohibitions (Repealed)
726.132 Standards applicable to generators of hazardous waste fuel (Repealed)
726.133 Standards applicable to transporters of hazardous waste fuel (Repealed)
726.134 Standards applicable to marketers of hazardous waste fuel (Repealed)
726.135 Standards applicable to burners of hazardous waste fuel (Repealed)
726.136 Conditional exemption for spent materials and by-products exhibiting a characteristic of hazardous waste (Repealed)

SUBPART E: USED OIL BURNED FOR ENERGY RECOVERY (Repealed)

Section
726.140 Applicability (Repealed)
726.141 Prohibitions (Repealed)
726.142 Standards applicable to generators of used oil burned for energy recovery (Repealed)
726.143 Standards applicable to marketers of used oil burned for energy recovery (Repealed)
726.144 Standards applicable to burners of used oil burned for energy recovery (Repealed)

SUBPART F: RECYCLABLE MATERIALS UTILIZED FOR PRECIOUS METAL RECOVERY

Section
726.170 Applicability and requirements

SUBPART G: SPENT LEAD-ACID BATTERIES BEING RECLAIMED

Section
726.180 Applicability and requirements

SUBPART H: HAZARDOUS WASTE BURNED IN BOILERS AND INDUSTRIAL FURNACES

Section

726.200 Applicability
726.201 Management prior to Burning
726.202 Permit standards for Burners
726.203 Interim status standards for Burners
726.204 Standards to control Organic Emissions
726.205 Standards to control PM
726.206 Standards to control Metals Emissions
726.207 Standards to control HCl and Chlorine Gas Emissions
726.208 Small quantity On-site Burner Exemption
726.209 Low risk waste Exemption
726.210 Waiver of DRE trial burn for Boilers
726.211 Standards for direct Transfer
726.212 Regulation of Residues
726.219 Extensions of Time

726.Appendix A Tier I and Tier II Feed Rate and Emissions Screening Limits for Metals
726.Appendix B Tier I Feed Rate Screening Limits for Total Chlorine
726.Appendix C Tier II Emission Rate Screening Limits for Free Chlorine and Hydrogen Chloride
726.Appendix D Reference Air Concentrations
726.Appendix E Risk Specific Doses
726.Appendix F Stack Plume Rise
726.Appendix G Health-Based Limits for Exclusion of Waste-Derived Residues
726.Appendix H Potential PICs for Determination of Exclusion of Waste-Derived Residues
726.Appendix I Methods Manual for Compliance with BIF Regulations
726.Appendix J Guideline on Air Quality Models
726.Appendix K Lead-Bearing Materials That May be Processed in Exempt Lead Smelters
726.Appendix L Nickel or Chromium-Bearing Materials that may be Processed in Exempt Nickel-Chromium Recovery Furnaces
726.Table A Exempt Quantities for Small Quantity Burner Exemption

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27]).

SOURCE: Adopted in R85-22 at 10 Ill. Reg. 1162, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14156, effective August 12, 1986; amended in R87-26 at 12 Ill. Reg. 2900, effective January 15, 1988; amended in R89-1 at 13 Ill. Reg. 18606, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14533, effective August 22, 1990; amended in R90-11 at 15 Ill. Reg. 9727, effective June 17, 1991; amended in R91-13 at 16 Ill. Reg. 9858, effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5865, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. _____, effective November 22, 1993.

SUBPART E: USED OIL BURNED FOR ENERGY RECOVERY (REPEALED)

Section 726.140 Applicability (Repealed)

~~a) The regulations of this Subpart apply to used oil that is burned for energy recovery in any boiler or industrial furnace that is not regulated under 35 Ill. Adm. Code 724. or 725.Subpart O, except as provided by subsection (c) and (e), below. Such used oil is termed "used oil fuel". Used oil fuel includes any fuel produced from used oil by processing, blending or other treatment.~~

~~b) "Used oil" means any oil that has been refined from crude oil, used and, as a result of such use, is contaminated by physical or chemical impurities.~~

~~c) Except as provided by subsection (d), below, used oil that is mixed with hazardous waste and burned for energy recovery is subject to regulation as hazardous waste fuel under Subpart H. Used oil containing more than 1000 ppm of total halogens is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D. Persons may rebut this presumption by demonstrating that the used oil does not contain hazardous waste (for example, by showing that the used oil does not contain significant concentrations of halogenated hazardous constituents listed in 35 Ill. Adm. Code 721.Subpart H).~~

~~d) Used oil burned for energy recovery is subject to regulation under this Subpart rather than as hazardous waste fuel under Subpart H if it is a hazardous waste solely because it:~~

~~1) Exhibits a characteristic of hazardous waste identified in 35 Ill. Adm. Code 721.Subpart C, provided that it is not mixed with a hazardous waste; or~~

~~2) Contains hazardous waste generated only by a person subject to the special requirements for small quantity generators under 35 Ill. Adm. Code 721.105.~~

~~e) Except as provided by subsection (c), above, used oil burned for energy recovery, and any fuel produced from used oil by processing, blending or other treatment, is subject to regulation under this Subpart unless it is shown not to exceed any of the allowable level of the constituents and properties in the specification shown in the following table. Used oil fuel that meets the specification is subject only to the analysis and recordkeeping requirements under Section 726.143(b)(1) and (b)(6). Used oil fuel that exceeds any specification level is termed "off-specification used oil fuel".~~

~~USED OIL EXCEEDING ANY SPECIFICATION LEVEL IS SUBJECT TO THIS SUBPART WHEN BURNED FOR ENERGY RECOVERY~~

~~Constituent/Property~~	~~Allowable Level~~
~~Arsenic~~	~~5 ppm max~~
~~Cadmium~~	~~2 ppm max~~
~~Chromium~~	~~10 ppm max~~
~~Lead~~	~~100 ppm max~~
~~Flash Point~~	~~100 degree F min~~
~~Total Halogens~~	~~4000 ppm max~~

~~1) The specification does not apply to used oil or fuel mixed with a hazardous waste other than small quantity generated hazardous waste.~~

~~2) Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable~~

~~presumption provided under subsection (c), above. Such used oil is subject to Subpart D rather than this Subpart when burned for energy recovery unless the presumption of mixing can be successfully rebutted.~~

(Source: Repealed at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.141 Prohibitions (Repealed)

~~a) A person may market off-specification used oil for energy recovery only:~~

~~1) To burners or other marketers who have notified USEPA of their used oil management activities stating the location and general description of such activities, and who have USEPA identification number; and~~

~~2) To burners who burn the used oil in an industrial furnace or boiler identified in subsection (b);~~

~~b) Off-specification used oil may be burned for energy recovery in only the following devices:~~

~~1) Industrial furnaces identified in 35 Ill. Adm. Code 720.110; or~~

~~2) Boilers, as defined in 35 Ill. Adm. Code 720.110, that are identified as follows:~~

~~A) Industrial boilers located on the site of a facility engaged in a manufacturing process where substances are transformed into new products, including the component parts of products, by mechanical or chemical processes~~

~~B) Utility boilers used to produce electric power, steam or heated or cooled air or other gases or fluids for sale; or~~

~~C) Used oil-fired space heaters provided that:~~

~~i) The heater burners only used oil that the owner or operator generates or used oil received from do-it-yourself oil changers who generate used oil as household waste;~~

~~ii) The heater is designed to have a maximum capacity of not more than 0.5 million British thermal units per hour; and~~

~~iii) The combustion gases from the heater are vented to the ambient air.~~

(Source: Repealed at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.142 Standards applicable to generators of used oil burned for energy recovery (Repealed)

~~a) Except as provided in subsections (b) and (c) below, generators of used oil are not subject to this Subpart.~~

~~b) Generators who market used oil directly to a burner are subject to Section 726.143.~~

~~c) Generators who burn used oil are subject to Section 726.144.~~

(Source: Repealed at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.143 Standards applicable to marketers of used oil burned for energy recovery (Repealed)

~~a) Persons who market used oil fuel are termed "marketers". Except as provided below, marketers include generators who market used oil fuel directly to a burner, persons who receive used oil from generators and produce, process or blend used oil fuel from those used oils (including persons sending blended or processed used oil to brokers or other intermediaries), and persons who distribute but do not process or blend used oil fuel. The following persons are not marketers subject to this Subpart:~~

~~1) Used oil generators, and collectors who transport used oil received only from generators, unless the generator or collector markets the used oil directly to a person who burns it for energy recovery. However, persons who burn some used oil fuel for purposes of processing or other treatment to produce used oil fuel for marketing are considering to be burning incidentally to processing. Thus, generators and collectors who market to such incidental burners are not marketers subject to this Subpart;~~

~~2) Persons who market only used oil fuel that meets the specification under Section 726.140(c) and who are not the first person to claim the oil meets the specification (i.e., marketers who do not receive used oil from generators or initial transportaters and marketers who neither receive nor market off-specification used oil fuel).~~

~~b) Marketers are subject to the following requirements:~~

~~1) Analysis of used oil fuel. Used oil fuel is subject to regulation under this Subpart unless the marketer obtains analyses or other information documenting that the used oil fuel meets the specification provided under Section 726.140(c);~~

~~2) Prohibitions. The prohibitions under Section 726.141(a);~~

~~3) Notification. Notification to USEPA stating the location and general description of used oil management activities. Even if a marketer has previously notified USEPA of the marketer's hazardous waste management activities under Section 3010 of the Resource Conservation and Recovery Act and obtained a USEPA identification number, the marketer shall renotify to identify the marketer's used oil management activities.~~

~~4) Invoice system. When a marketer initiates a shipment of off-specification used oil, the marketer shall prepare and send the receiving facility an invoice containing the following information:~~

~~A) An invoice number;~~

~~B) The marketer's own USEPA identification number and the USEPA identification number of the receiving facility;~~

~~C) The names and addresses of the shipping and receiving facilities;~~

~~D) The quantity of off-specification used oil to be delivered;~~

~~E) The date(s) of shipment or delivery; and~~

~~F) The following statement: "This used oil is subject to USEPA regulation under 40 CFR 266 and 35 Ill. Adm. Code 726.~~

~~(BOARD NOTE: Used oil that meets the definition of combustible liquid (flash point below 200> F but at or greater than 100> F) or flammable liquid (flash point below 100> F) is subject to Department of Transportation Hazardous Materials Regulations at 49 CFR 100 through 177 (1985).)~~

~~5) Required Notices.~~

~~A) Before a marketer initiates the first shipment of off-specification used oil to a burner or other marketer, the marketer shall obtain a one-time written and signed notice from the burner or marketer certifying that:~~

~~i) The burner or marketer has notified USEPA stating the location and general description of the burner's or the marketer's used oil management activities; and~~

~~ii) If the recipient is a burner, the burner will burn the off-specification used oil only in an industrial furnace or boiler identified in Section 726.141(b); and~~

~~B) Before a marketer accepts the first shipment of off-specification used oil from another marketer subject to the requirements of this Section, the marketer shall provide the marketer with a one-time written and signed notice certifying that the marketer has notified USEPA of the marketer's used oil management activities; and~~

~~6) Recordkeeping.~~

~~A) Used Oil Fuel That Meets the Specification. A marketer who first claims under subsection (b)(1) that used oil fuel meets the specification shall keep copies of analyses (or other information used to make the determination) of used oil for three years. Such marketers shall also record in an operating log and keep for three years the following information on each shipment of used oil fuel that meets the specification. Such used oil fuel is not subject to further regulation, unless it is subsequently mixed with hazardous waste or unless it is mixed with used oil so that it no longer meet the specification.~~

~~i) The name and address of the facility receiving the shipment;~~

~~ii) The quantity of used oil fuel delivered;~~

~~iii) The date of shipment or delivery; and~~

~~iv) A cross-reference to the record of used oil analysis (or other information used to make the determination that the oil meets the specification) required under subsection (b)(6)(A) above.~~

~~B) Off-Specification Used Oil Fuel. A marketer who receives or initiates an invoice under the requirements of this Section shall keep a copy of each invoice for three years from the date the invoice is received or prepared. In addition, a marketer shall keep a copy of each certification notice that the marketer receives or sends for three years from the date the marketer last engages in an off-specification used oil fuel marketing transaction with the person who sends or receives the certification notice.~~

(Source: Repealed at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.144 Standards applicable to burners of used oil burned for energy recovery (Repealed)

~~Owners and operators of facilities that burn used oil fuel are "burners" and are subject to the following requirements:~~

~~a) Prohibition. The prohibition under Section 726.141(b);~~

~~b) Notification. Burners of off-specification used oil fuel, and burners of used oil fuel who are the first to claim that the oil meets the specification provided under Section 726.140(c), except burners who burn specification oil that they generate, shall notify USEPA stating the location and general description of used oil management activities. Burners of used oil fuel that meets the specification who receive such oil from a marketer that previously notified USEPA are not required to notify. Owners and operators of used oil-fired space heaters that burn used oil fuel under the provisions of Section 726.141(b)(2) are exempt from this notification requirement.~~

~~c) Required notices. Before a burner accepts the first shipment of off-specification used oil fuel from a marketer, the burner shall provide the marketer a one-time written and signed notice certifying that:~~

~~1) The burner has notified USEPA stating that location and general description of the burner's used oil management activities; and~~

~~2) The burner will burn the used oil only in an industrial furnace or boiler identified in Section 726.141(b); and~~

~~d) Used oil fuel analysis.~~

~~1) Used oil fuel burned by the generator is subject to regulation under this Subpart unless the burner obtains analyses (or other information) documenting that the used oil meets the specification provided under Section 726.140(c).~~

~~2) Burners who treat off-specification used oil fuel by processing, blending or other treatment to meet the specification provided under Section 726.140(c) shall obtain analyses (or other information) documenting that the used oil meets the specification.~~

~~e) Recordkeeping. A burner who receives an invoice under the requirements of this Section shall keep a copy of each invoice for three years from the date the invoice is received. Burners shall also keep for three years copies of analyses of used oil fuel as may be required by subsection (d). In addition, the burner shall keep a copy of each certification notice that the burner sends to a marketer for three years from the date the burner last receives off-specification used oil from that marketer.~~

(Source: Repealed at 17 Ill. Reg. _____, effective November 22, 1993)

SUBPART H: HAZARDOUS WASTE BURNED IN BOILERS AND INDUSTRIAL FURNACES

Section 726.200 Applicability

a) The regulations of this Subpart apply to hazardous waste burned or processed in a boiler or industrial furnace (BIF) (as defined in 35 Ill. Adm. Code 720.110) irrespective of the purpose of burning or processing, except as provided by subsections (b), (c), (d) and (f), below. In this Subpart, the term "burn" means burning for energy recovery or destruction, or processing for materials recovery or as an ingredient. The emissions standards of Sections 726.204, 726.205, 726.206 and 726.207 apply to facilities operating under interim status or under a RCRA permit as specified in Sections 726.202 and 726.203.

b) The following hazardous wastes and facilities are not subject to regulation under this Subpart:

1) Used oil burned for energy recovery that is also a hazardous

waste solely because it exhibits a characteristic of hazardous waste identified in 35 Ill. Adm. Code 721.Subpart C. Such used oil is subject to regulation under ~~Subpart E~~35 Ill. Adm. Code 739 rather than this Subpart;

2) Gas recovered from hazardous or solid waste landfills when such gas is burned for energy recovery;

3) Hazardous wastes that are exempt from regulation under 35 Ill. Adm. Code 721.104 and 721.106(a)(3)(E) through (H), and hazardous wastes that are subject to the special requirements for conditionally exempt small quantity generators under 35 Ill. Adm. Code 721.105; and

4) Coke ovens, if the only hazardous waste burned is USEPA Hazardous Waste No. K087, decanter tank tar sludge from coking operations.

c) Owners and operators of smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, sintering machines, roasters and foundry furnaces, but not including cement kilns, aggregate kilns or halogen acid furnaces burning hazardous waste) that process hazardous waste solely for metal recovery are conditionally exempt from regulation under this Subpart, except for Sections 726.201 and 726.212.

1) To be exempt from Sections 726.202 through 726.211, an owner or operator of a metal recovery furnace shall comply with the following requirements, except that an owner or operator of a lead or a nickel-chromium recovery furnace, or a metal recovery furnace that burns baghouse bags used to capture metallic dust emitted by steel manufacturing, shall comply with the requirements of subsection (c)(3), below:

A) Provide a one-time written notice to the Agency indicating the following:

i) The owner or operator claims exemption under this subsection;

ii) The hazardous waste is burned solely for metal recovery consistent with the provisions of subsection (c)(2), below;

iii) The hazardous waste contains recoverable levels of metals; and

iv) The owner or operator will comply with the sampling and analysis and recordkeeping requirements of this subsection;

B) Sample and analyze the hazardous waste and other feedstocks as necessary to comply with the requirements of this subsection under procedures specified by Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111 or alternative methods that meet or exceed the SW-846 method

performance capabilities. If SW-846 does not prescribe a method for a particular determination, the owner or operator shall use the best available method; and

C) Maintain at the facility for at least three years records to document compliance with the provisions of this subsection including limits on levels of toxic organic constituents and Btu value of the waste, and levels of recoverable metals in the hazardous waste compared to normal nonhazardous waste feedstocks.

2) A hazardous waste meeting either of the following criteria is not processed solely for metal recovery:

A) The hazardous waste has a total concentration of organic compounds listed in 35 Ill. Adm. Code 721.Appendix H, exceeding 500 ppm by weight, as fired, and so is considered to be burned for destruction. The concentration of organic compounds in a waste as-generated may be reduced to the 500 ppm limit by bona fide treatment that removes or destroys organic constituents. Blending for dilution to meet the 500 ppm limit is prohibited and documentation that the waste has not been impermissibly diluted must be retained in the records required by subsection (c)(1)(C), above; or

B) The hazardous waste has a heating value of 5,000 Btu/lb or more, as-fired, and is so considered to be burned as fuel. The heating value of a waste as-generated may be reduced to below the 5,000 Btu/lb limit by bona fide treatment that removes or destroys organic constituents. Blending for dilution to meet the 5,000 Btu/lb limit is prohibited and documentation that the waste has not been impermissibly diluted must be retained in the records required by subsection (c)(1)(C), above.

3) To be exempt from Sections 726.202 through 726.211, an owner or operator of a lead or nickel-chromium recovery furnace, or a metal recovery furnace that burns a baghouse bags used to capture metallic dusts emitted by steel manufacturing must provide a one-time written notice to the Agency identifying each hazardous waste burned and specifying whether the owner or operator claims an exemption for each waste under this subsection or subsection (c)(1), above. The owner or operator shall comply with the requirements of subsection (c)(1), above, for those wastes claimed to be exempt under that subsection and shall comply with the requirements below for those wastes claimed to be exempt under this subsection.

A) The hazardous wastes listed in Appendices K and L and baghouse bags used to capture metallic dusts emitted by steel manufacturing are exempt from the requirements of subsection (c)(1), above, provided that:

i) A waste listed in Section 726.Appendix K must contain recoverable levels of lead. A waste listed in Section 726.Appendix L must contain recoverable levels of nickel or chromium and baghouse bags used to capture metallic dusts emitted by steel manufacturing must contain recoverable levels of metal; and

ii) The waste does not exhibit the Toxicity Characteristic of 35 Ill. Adm. Code 721.124 for an organic constituent; and

iii) The waste is not a hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D because it is listed for an organic constituent as identified in 35 Ill. Adm. Code 721.Appendix G; and

iv) The owner or operator certifies in the one-time notice that hazardous waste is burned under the provisions of subsection (c)(3), above, and that sampling and analysis will be conducted or other information will be obtained as necessary to ensure continued compliance with these requirements. Sampling and analysis must be conducted according to subsection (C)(1)(B), above, and records to document compliance with subsection (c)(3), above, must be kept for at least three years.

B) The Agency may decide on a case-by-case basis that the toxic organic constituents in a material listed in Section 726.Appendix K or Section 726. Appendix L that contains a total concentration of more than 500 ppm toxic organic compounds listed in 35 Ill. Adm. Code 721.Appendix H may pose a hazard to human health and the environment when burned in a metal recovery furnace exempt from the requirements of this Subpart. In that situation, after adequate notice and opportunity for comment, the metal recovery furnace will become subject to the requirements of this Subpart when burning that material. In making the hazard determination, the Agency shall consider the following factors:

i) The concentration and toxicity of organic constituents in the material; and

ii) The level of destruction of toxic organic constituents provided by the furnace; and

iii) Whether the acceptable ambient levels established in Appendices D or E will be exceeded for any toxic organic compound that may be emitted based on dispersion modeling to predict the maximum annual average off-site ground level concentration.

d) The standards for direct transfer operations under Section 726.211

apply only to facilities subject to the permit standards of Section 726.202 or the interim status standards of Section 726.203.

e) The management standards for residues under Section 726.212 apply to any BIF burning hazardous waste.

f) Owners and operators of smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, sintering machines, roasters and foundry furnaces) that process hazardous waste for recovery of economically significant amounts of the precious metals gold, silver, platinum, palladium, iridium, osmium, rhodium or ruthenium, or any combination of these, are conditionally exempt from regulation under this Subpart except for Section 726.212. To be exempt from Sections 726.202 through 726.211 an owner or operator shall:

1) Provide a one-time written notice to the Agency indicating the following:

A) The owner or operator claims exemption under this Section;

B) The hazardous waste is burned for legitimate recovery of precious metal; and

C) The owner or operator will comply with the sampling and analysis and recordkeeping requirements of this Section.

2) Sample and analyze the hazardous waste as necessary to document that the waste is burned for recovery of economically significant amounts of precious metal using procedures specified by Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111 or alternative methods that meet or exceed the SW-846 method performance capabilities. If SW-846 does not prescribe a method for a particular determination, the owner or operator shall use the best available method; and

3) Maintain at the facility for at least three years records to document that all hazardous wastes burned are burned for recovery of economically significant amounts of precious metal.

g) Abbreviations and definitions. The following definitions and abbreviations are used in this Subpart:

"APCS" means air pollution control system.

"BIF" means boiler or industrial furnace.

"Carcinogenic metals" means arsenic, beryllium, cadmium and chromium.

"CO" means carbon monoxide.

"Continuous monitor" is a monitor which continuously samples the regulated parameter without interruption, and evaluates the detector response at least once each 15 seconds, and computes and records the average value at least every 60 seconds.

"DRE" means destruction or removal efficiency.

"cu m" means cubic meters.

"E" means "ten to the". For example, "XE-Y" means "X times ten to the -Y power".

"Feed rates" are measured as specified in Section 726.202(e)(6).

"Good engineering practice stack height" is as defined by 40 CFR 51.100(ii), incorporated by reference in 35 Ill. Adm. Code 720.111.

"HC" means hydrocarbon.

"HCl" means hydrogen chloride gas.

"Hourly rolling average" means the arithmetic mean of the 60 most recent 1-minute average values recorded by the continuous monitoring system.

"K" means Kelvin.

"kVA" means kilovolt amperes.

"MEI" means maximum exposed individual.

"MEI location" means the point with the maximum annual average off-site (unless on-site is required) ground level concentration.

"Noncarcinogenic metals" means antimony, barium, lead, mercury, thallium and silver.

"One hour block average" means the arithmetic mean of the one minute averages recorded during the 60-minute period beginning at one minute after the beginning of preceding clock hour

"PIC" means product of incomplete combustion.

"PM" means particulate matter.

"POHC" means principal organic hazardous constituent.

"ppmv" means parts per million by volume.

"QA/QC" means quality assurance and quality control.

"Rolling average for the selected averaging period" means the arithmetic mean of one hour block averages for the

averaging period.

"RAC" means reference air concentration, the acceptable ambient level for the noncarcinogenic metals for purposes of this Subpart. RACs are specified in Section 726.Appendix D.

"RSD" means risk-specific dose, the acceptable ambient level for the carcinogenic metals for purposes of this Subpart. RSDs are specified in Section 726.Appendix E.

"SSU" means "Saybolt Seconds Universal", a unit of viscosity measured by ASTM D88 or D2161, incorporated by reference in 35 Ill. Adm. Code 720.111.

"TCLP test" means the toxicity characteristic leaching procedure of 35 Ill. Adm. Code 721.124.

"TESH" means terrain-adjusted effective stack height (in meters).

"Tier I". See Section 726.206(b).

"Tier II". See Section 726.206(c).

"Tier III". See Section 726.206(d).

"Toxicity equivalence" is estimated, pursuant to Section 726.204(e), using "Procedures for Estimating the Toxicity Equivalence of Chlorinated Dibenzo-p-Dioxin and Dibenzofuran Congeners" in Section 726.Appendix I ("eye").

"ug" means microgram.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.201 Management prior to Burning

a) Generators. Generators of hazardous waste that is burned in a BIF are subject to 35 Ill. Adm. Code 722.

b) Transporters. Transporters of hazardous waste that is burned in a BIF are subject to 35 Ill. Adm. Code 723.

c) Storage facilities.

1) Owners and operators of facilities that store hazardous waste that is burned in a BIF are subject to the applicable provisions of 35 Ill. Adm. Code 724.Subparts A through L, 35 Ill. Adm. Code 725.Subparts A through L and 35 Ill. Adm. Code 702 and 703, except as provided by subsection (c)(2), below. These standards apply to storage by the burner as well as to storage facilities operated by intermediaries (processors, blenders, distributors, etc.) between the generator and the burner.

2) Owners and operators of facilities that burn, in an on-site BIF exempt from regulation under the small quantity burner provisions of Section 726.208, hazardous waste that they

generate are exempt from regulation under 35 Ill. Adm. Code 724.Subparts A through L, 35 Ill. Adm. Code 725.Subparts A through L and 35 Ill. Adm. Code 702 and 703 ~~with respect to the storage of mixtures of hazardous waste~~ applicable to storage units for those storage units that store mixtures of hazardous waste and the primary fuel to the BIF in tanks that feed the fuel mixture directly to the burner. Storage of hazardous waste prior to mixing with the primary fuel is subject to regulation as prescribed in subsection (c)(1), above.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.203 Interim status standards for Burners

a) Purpose, scope, applicability.

1) General.

A) The purpose of this Section is to establish minimum national standards for owners and operators of "existing" BIFs that burn hazardous waste where such standards define the acceptable management of hazardous waste during the period of interim status. The standards of this Section apply to owners and operators of existing facilities until either a permit is issued under Section 726.202(d) or until closure responsibilities identified in this Section are fulfilled.

B) "Existing" or "in existence" means a BIF for which the owner or operator filed a certification of precompliance with USEPA pursuant to 40 CFR 266.103(b), incorporated by reference in subsection (b), below; provided, however, that USEPA has not determined that the certification is invalid.

C) If a BIF is located at a facility that already has a RCRA permit or interim status, then the owner or operator shall comply with the applicable regulations dealing with permit modifications in 35 Ill. Adm. Code 703.280 or changes in interim status in 35 Ill. Adm. Code 703.155.

2) Exemptions. The requirements of this Section do not apply to hazardous waste and facilities exempt under Sections 726.200(b) or 726.208.

3) Prohibition on burning dioxin-listed wastes. The following hazardous waste listed for dioxin and hazardous waste derived from any of these wastes must not be burned in a BIF operating under interim status: USEPA Hazardous Waste Numbers F020, F021, F022, F023, F026 and F027.

4) Applicability of 35 Ill. Adm. Code 725 standards. Owners and operators of BIFs that burn hazardous waste and are operating under interim status are subject to the following provisions of 35 Ill. Adm. Code 725, except as provided

otherwise by this Section:

A) In Subpart A (General), 35 Ill. Adm. Code 725.104;

B) In Subpart B (General facility standards), 35 Ill. Adm. Code 725.111 through 725.117;

C) In Subpart C (Preparedness and prevention), 35 Ill. Adm. Code 725.131 through 725.137;

D) In Subpart D (Contingency plan and emergency procedures), 35 Ill. Adm. Code 725.151 through 725.156;

E) In Subpart E (Manifest system, recordkeeping and reporting), 35 Ill. Adm. Code 725.171 through 725.177, except that 35 Ill. Adm. Code 725.171, 725.172 and 725.176 do not apply to owners and operators of on-site facilities that do not receive any hazardous waste from off-site sources;

F) In Subpart G (Closure and post-closure), 35 Ill. Adm. Code 725.211 through 725.215;

G) In Subpart H (Financial requirements), 35 Ill. Adm. Code 725.241, 725.242, 725.243 and 725.247 through 725.251, except that the State of Illinois and the Federal government are exempt from the requirements of 35 Ill. Adm. Code 725.Subpart H; and

H) Subpart BB (Air emission standards for equipment leaks), except 35 Ill. Adm. Code 725.950(a).

5) Special requirements for furnaces. The following controls apply during interim status to industrial furnaces (e.g., kilns, cupolas) that feed hazardous waste for a purpose other than solely as an ingredient (see subsection (a)(5)(B), above) at any location other than the hot end where products are normally discharged or where fuels are normally fired:

A) Controls.

i) The hazardous waste must be fed at a location where combustion gas temperatures are at least 1800 °F;

ii) The owner or operator shall determine that adequate oxygen is present in combustion gases to combust organic constituents in the waste and retain documentation of such determination in the facility record;

iii) For cement kiln systems, the hazardous waste must be fed into the kiln; and

iv) The HC controls of Section 726.204(f) or subsection (c)(5), below, apply upon

certification of compliance under subsection (c), below, irrespective of the CO level achieved during the compliance test.

B) Burning hazardous waste solely as an ingredient. A hazardous waste is burned for a purpose other than "solely as an ingredient" if it meets either of these criteria:

i) The hazardous waste has a total concentration of nonmetal compounds listed in 35 Ill. Adm. Code 721.Appendix H, exceeding 500 ppm by weight, as fired and so is considered to be burned for destruction. The concentration of nonmetal compounds in a waste as-generated may be reduced to the 500 ppm limit by bona fide treatment that removes or destroys nonmetal constituents. Blending for dilution to meet the 500 ppm limit is prohibited and documentation that the waste has not been impermissibly diluted must be retained in the facility record; or

ii) The hazardous waste has a heating value of 5,000 Btu/lb or more, as fired, and so is considered to be burned as fuel. The heating value of a waste as-generated may be reduced to below the 5,000 Btu/lb limit by bona fide treatment that removes or destroys organic constituents. The heating value of a waste as-generated may be reduced to below the 5,000 Btu/lb limit by bona fide treatment that removes or destroys organic constituents. Blending to augment the heating value to meet the 5,000 Btu/lb limit is prohibited and documentation that the waste has not been impermissibly blended must be retained in the facility record.

6) Restrictions on burning hazardous waste that is not a fuel. Prior to certification of compliance under subsection (c), below, owners and operators shall not feed hazardous waste that has a heating value less than 5000 Btu/lb, as generated, (except that the heating value of a waste as-generated may be increased to above the 5,000 Btu/lb limit by bona fide treatment; however blending to augment the heating value to meet the 5,000 Btu/lb limit is prohibited and records must be kept to document that impermissible blending has not occurred) in a BIF, except that:

A) Hazardous waste may be burned solely as an ingredient; or

B) Hazardous waste may be burned for purposes of compliance testing (or testing prior to compliance testing) for a total period of time not to exceed 720 hours; or

C) Such waste may be burned if the Agency has documentation to show that, prior to August 21, 1991:

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i) The BIF was operating under the interim status standards for incinerators or thermal treatment units, 35 Ill. Adm. Code 725.Subparts O or P; and

ii) The BIF met the interim status eligibility requirements under 35 Ill. Adm. Code 703.153 for 35 Ill. Adm. Code 725.Subparts O or P; and

iii) Hazardous waste with a heating value less than 5,000 Btu/lb was burned prior to that date; or

D) Such waste may be burned in a halogen acid furnace if the waste was burned as an excluded ingredient under 35 Ill. Adm. Code 721.102(e) prior to February 21, 1991, and documentation is kept on file supporting this claim.

7) Direct transfer to the burner. If hazardous waste is directly transferred from a transport vehicle to a BIF without the use of a storage unit, the owner or operator shall comply with Section 726.211.

b) Certification of precompliance.

1) The Board incorporates by reference 40 CFR 266.103(b)(1992) ~~adopted at 56 Fed. Reg. 7206, February 21, 1991; 56 Fed. Reg. 32688, July 17, 1991; and 56 Fed. Reg. 42511, August 27, 1991~~; amended at 57 Fed. Reg. 38564, August 25, 1992. This Section incorporates no later editions or amendments.

2) Certain owners and operators were required to file a certification of precompliance with USEPA by August 21, 1991, pursuant to 40 CFR 266.103(b). No separate filing is required with the Agency.

c) Certification of compliance. The owner or operator shall conduct emissions testing to document compliance with the emissions standards of Sections 726.204(b) through (e), 726.205, 726.206, 726.207, and subsection (a)(5)(A)(iv), above, under the procedures prescribed by this subsection, except under extensions of time provided by subsection (c)(7), below. Based on the compliance test, the owner or operator shall submit to the Agency, on or before August 21, 1992, a complete and accurate "certification of compliance" (under subsection (c)(4), below) with those emission standards establishing limits on the operating parameters specified in subsection (c)(1), below.

1) Limits on operating conditions. The owner or operator shall establish limits on the following parameters based on operations during the compliance test (under procedures prescribed in subsection (c)(4)(D), below) or as otherwise specified and include these limits with the certification of compliance. The BIF must be operated in accordance with these operating limits and the applicable emissions standards of Section 726.204(b) through (e), 726.205, 726.206, 726.207 and subsection (a)(5)(A)(iv), above, at all times when there is hazardous waste in the unit.

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A) Feed rate of total hazardous waste and (unless complying the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e)), pumpable hazardous waste;

B) Feed rate of each metal in the following feedstreams:

i) Total feedstreams, except that industrial furnaces that must comply with the alternative metals implementation approach under subsection (c)(3)(B), below, must specify limits on the concentration of each metal in collected PM in lieu of feed rate limits for total feedstreams; and facilities that comply with Tier I or Adjusted Tier I metals feed rate screening limits may set their operating limits at the metal feed rate screening limits determined under subsection 726.206(b) or (e).

BOARD NOTE: Federal subsections 266.103(c)(1)(ii)(A)(1) and (2) are condensed into the above subsection.

ii) Total hazardous waste feed (unless complying with the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e)); and

iii) Total pumpable hazardous waste feed (unless complying with Tier I or Adjusted Tier I metals feed rate screening limits under subsection 726.206 (b) or (e)).

C) Total feed rate of total chlorine and chloride in total feed streams, except that facilities that comply with Tier I or Adjusted Tier I feed rate screening limits may set their operating limits at the total chlorine and chloride feed rate screening limits determined under subsection 726.207(b)(1) or (e);

D) Total feed rate of ash in total feed streams, except that the ash feed rate for cement kilns and light-weight aggregate kilns is not limited;

E) CO concentration, and where required, HC concentration in stack gas. When complying with the CO controls of Section 726.204(b), the CO limit is 100 ppmv, and when complying with the HC controls of Section 726.204(c), the HC limit is 20 ppmv. When complying with the CO controls of Section 726.204(c), the CO limit is established based on the compliance test;

F) Maximum production rate of the device in appropriate units when producing normal product unless complying with Tier I or Adjusted Tier I feed rate screening limits for chlorine under subsection 726.207(b)(1) or (e) and for all metals under subsection 726.207(b) or (e), and the uncontrolled particulate emissions do not

exceed the standard under subsection 726.205;

G) Maximum combustion chamber temperature where the temperature measurement is as close to the combustion zone as possible and is upstream of any quench water injection, (unless complying with the Tier I adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e));

H) Maximum flue gas temperature entering a PM control device (unless complying with Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e));

I) For systems using wet scrubbers, including wet ionizing scrubbers (unless complying with the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e) and the total chlorine and chloride feed rate screening limits under Section 726.207(b)(1) or (e)):

i) Minimum liquid to flue gas ratio;

ii) Minimum scrubber blowdown from the system or maximum suspended solids content of scrubber water; and

iii) Minimum pH level of the scrubber water;

J) For systems using venturi scrubbers, the minimum differential gas pressure across the venturi (unless complying the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e) and the total chlorine and chloride feed rate screening limits under Section 726.207(b)(1) or (e));

K) For systems using dry scrubbers (unless complying with the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e) and the total chlorine and chloride feed rate screening limits under Section 726.207(b)(1) or (e)):

i) Minimum caustic feed rate; and

ii) Maximum flue gas flow rate:

L) For systems using wet ionizing scrubbers or electrostatic precipitators (unless complying with the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e) and the total chlorine and chloride feed rate screening limits under Section 726.207(b)(1) or (e)):

i) Minimum electrical power in kVA to the precipitator plates; and

ii) Maximum flue gas flow rate;

M) For systems using fabric filters (baghouses), the minimum pressure drop (unless complying with the Tier I or adjusted Tier I metals feed rate screening limits under Section 726.206(b) or (e) and the total chlorine and chloride feed rate screening limits under Section 726.207(b)(1) or (e)).

2) Prior notice of compliance testing. At least 30 days prior to the compliance testing required by subsection (c)(3), below, the owner or operator shall notify the Agency and submit the following information:

A) General facility information including:

i) USEPA facility ID number;

ii) Facility name, contact person, telephone number and address;

iii) Person responsible for conducting compliance test, including company name, address and telephone number, and a statement of qualifications;

iv) Planned date of the compliance test;

B) Specific information on each device to be tested including:

i) Description of BIF;

ii) A scaled plot plan showing the entire facility and location of the BIF;

iii) A description of the APCS;

iv) Identification of the continuous emission monitors that are installed, including: CO monitor; Oxygen monitor; HC monitor, specifying the minimum temperature of the system and, if the temperature is less than 150 °C, an explanation of why a heated system is not used (see subsection (c)(5), below) and a brief description of the sample gas conditioning system;

v) Indication of whether the stack is shared with another device that will be in operation during the compliance test;

vi) Other information useful to an understanding of the system design or operation.

C) Information on the testing planned, including a complete copy of the test protocol and QA/QC plan, and a summary description for each test providing the following information at a minimum:

i) Purpose of the test (e.g., demonstrate compliance with emissions of PM); and

ii) Planned operating conditions, including levels for each pertinent parameter specified in subsection (c)(1), above.

3) Compliance testing.

A) General. Compliance testing must be conducted under conditions for which the owner or operator has submitted a certification of precompliance under subsection (b), above, and under conditions established in the notification of compliance testing required by subsection (c)(2), above. The owner or operator may seek approval on a case-by-case basis to use compliance test data from one unit in lieu of testing a similar on-site unit. To support the request, the owner or operator shall provide a comparison of the hazardous waste burned and other feedstreams, and the design, operation, and maintenance of both the tested unit and the similar unit. The Agency shall provide a written approval to use compliance test data in lieu of testing a similar unit if the Agency finds that the hazardous wastes, devices and the operating conditions are sufficiently similar, and the data from the other compliance test is adequate to meet the requirements of this subsection (c).

B) Special requirements for industrial furnaces that recycle collected PM. Owners and operators of industrial furnaces that recycle back into the furnace PM from the APCS shall comply with one of the following procedures for testing to determine compliance with the metals standards of Section 726.206(c) or (d):

i) The special testing requirements prescribed in "Alternative Method for Implementing Metals Controls" in Section 726.Appendix I ("eye"); or

ii) Stack emissions testing for a minimum of 6 hours each day while hazardous waste is burned during interim status. The testing must be conducted when burning normal hazardous waste for that day at normal feed rates for that day and when the APCS is operated under normal conditions. During interim status, hazardous waste analysis for metals content must be sufficient for the owner or operator to determine if changes in metals content affect the ability of the unit to meet the metals emissions standards established under Section 726.206(c) or (d). Under this option, operating limits (under subsection (c)(1), above) must be established during compliance testing under this subsection (c)(3) only on the following parameters: Feed rate of

total hazardous waste; Total feed rate of total chlorine and chloride in total feed streams; Total feed rate of ash in total feed streams, except that the ash feed rate for cement kilns and light-weight aggregate kilns is not limited; CO concentration, and where required, HC concentration in stack gas; Maximum production rate of the device in appropriate units when producing normal product; or

iii) Conduct compliance testing to determine compliance with the metals standards to establish limits on the operating parameters of subsection (c)(1), above, only after the kiln system has been conditioned to enable it to reach equilibrium with respect to metals fed into the system and metals emissions. During conditioning, hazardous waste and raw materials having the same metals content as will be fed during the compliance test must be fed at the feed rates that will be fed during the compliance test.

C) Conduct of compliance testing.

i) If compliance with all applicable emissions standards of Sections 726.204 through 726.207 is not demonstrated simultaneously during a set of test runs, the operating conditions of additional test runs required to demonstrate compliance with remaining emissions standards must be as close as possible to the original operating conditions.

ii) Prior to obtaining test data for purposes of demonstrating compliance with the applicable emissions standards of Sections 726.204 through 726.207 or establishing limits on operating parameters under this Section, the facility must operate under compliance test conditions for a sufficient period to reach steady-state operations. Industrial furnaces that recycle collected PM back into the furnace and that comply with subsections (c)(3)(B)(i) or (ii), above, however, need not reach steady state conditions with respect to the flow of metals in the system prior to beginning compliance testing for metals.

iii) Compliance test data on the level of an operating parameter for which a limit must be established in the certification of compliance must be obtained during emissions sampling for the pollutant(s) (i.e., metals, PM, HCl/chlorine gas, organic compounds) for which the parameter must be established as specified by subsection (c)(1), above.

4) Certification of compliance. Within 90 days of completing compliance testing, the owner or operator shall certify to the Agency compliance with the emissions standards of Sections 726.204(b), (c) and (e), 726.205, 726.206, 726.207, and subsection (a)(5)(A)(iv), above. The certification of compliance must include the following information:

A) General facility and testing information including:

i) USEPA facility ID number;

ii) Facility name, contact person, telephone number and address;

iii) Person responsible for conducting compliance testing, including company name, address and telephone number, and a statement of qualifications;

iv) Date(s) of each compliance test;

v) Description of BIF tested;

vi) Person responsible for QA/QC, title and telephone number, and statement that procedures prescribed in the QA/QC plan submitted under Section 726.203(c)(2)(C) have been followed, or a description of any changes and an explanation of why changes were necessary.

vii) Description of any changes in the unit configuration prior to or during testing that would alter any of the information submitted in the prior notice of compliance testing under subsection (c)(2), above, and an explanation of why the changes were necessary;

viii) Description of any changes in the planned test conditions prior to or during the testing that alter any of the information submitted in the prior notice of compliance testing under subsection (c)(2), above, and an explanation of why the changes were necessary; and

ix) The complete report on results of emissions testing.

B) Specific information on each test including:

i) Purpose(s) of test (e.g., demonstrate conformance with the emissions limits for PM, metals, HCl, chlorine gas and CO)

ii) Summary of test results for each run and for each test including the following information: Date of run; Duration of run; Time-weighted average and highest hourly rolling average CO level for each run and for the test; Highest

hourly rolling average HC level, if HC monitoring is required for each run and for the test; If dioxin and furan testing is required under Section 726.204(e), time-weighted average emissions for each run and for the test of chlorinated dioxin and furan emissions, and the predicted maximum annual average ground level concentration of the toxicity equivalency factor (defined in Section 726.200(g)); Time-weighted average PM emissions for each run and for the test; Time-weighted average HCl and chlorine gas emissions for each run and for the test; Time-weighted average emissions for the metals subject to regulation under Section 726.206 for each run and for the test; and QA/QC results.

C) Comparison of the actual emissions during each test with the emissions limits prescribed by Sections 726.204(b), (c) and (e), 726.205, 726.206 and 726.207 and established for the facility in the certification of precompliance under subsection (b), above.

D) Determination of operating limits based on all valid runs of the compliance test for each applicable parameter listed in subsection (c)(1), above, using either of the following procedures:

i) Instantaneous limits. A parameter must be measured and recorded on an instantaneous basis (i.e., the value that occurs at any time) and the operating limit specified as the time-weighted average during all runs of the compliance test; or

ii) Hourly rolling average basis. The limit for a parameter must be established and continuously monitored on an hourly rolling average basis, as defined in Section 726.200(g). The operating limit for the parameter must be established based on compliance test data as the average over all test runs of the highest hourly rolling average value for each run.

iii) Rolling average limits for carcinogenic metals and lead. Feed rate limits for the carcinogenic metals and lead must be established either on an hourly rolling average basis as prescribed by subsection (c)(4)(D)(ii), above, or on (up to) a 24 hour rolling average basis. If the owner or operator elects to use an averaging period from 2 to 24 hours: The feed rate of each metal must be limited at any time to ten times the feed rate that would be allowed on a hourly rolling average basis; The continuous monitor is as defined in Section 726.200(g). And the operating limit for the feed rate of each metal must be established based on compliance test data as the average over all test runs of the

highest hourly rolling average feed rate for each run.

iv) Feed rate limits for metals, total chlorine and chloride and ash. Feed rate limits for metals, total chlorine and chloride and ash are established and monitored by knowing the concentration of the substance (i.e., metals, chloride/chlorine and ash) in each feedstream and the flow rate of the feedstream. To monitor the feed rate of these substances, the flow rate of each feedstream must be monitored under the continuous monitoring requirements of subsections (c)(4)(D)(i) through (iii), above.

E) Certification of compliance statement. The following statement must accompany the certification of compliance:

"I certify under penalty of law that this information was prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information and supporting documentation. Copies of all emissions tests, dispersion modeling results and other information used to determine conformance with the requirements of 35 Ill. Adm. Code 726.203(c) are available at the facility and can be obtained from the facility contact person listed above. Based on my inquiry of the person or persons who manages the facility, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also acknowledge that the operating limits established pursuant to 35 Ill. Adm. Code 726.203(c)(4)(D) are enforceable limits at which the facility can legally operate during interim status until a revised certification of compliance is submitted."

5) Special requirements for HC monitoring systems. When an owner or operator is required to comply with the HC controls provided by Sections 726.204(c) or subsection (a)(5)(A)(iv), above, a conditioned gas monitoring system may be used in conformance with specifications provided in Section 726.Appendix I ("eye") provided that the owner or operator submits a certification of compliance without using extensions of time provided by subsection (c)(7), below. However, owners or operators of facilities electing to comply with the alternative hydrocarbon provision of Section 726.204(f) and requesting a time extension under Section 726.219(b) may establish the baseline HC level and comply with the interim HC limit established by the time extension

using a conditioned gas monitoring system if the Board determines that the owner or operator has also demonstrated a good faith effort to operate a heated monitoring system but found it to be impracticable.

6) Special operating requirements for industrial furnaces that recycle collected PM. Owners and operators of industrial furnaces that recycle back into the furnace PM from the APCS must:

A) When complying with the requirements of subsection (c)(3)(B)(i), above, comply with the operating requirements prescribed in "Alternative Method to Implement the Metals Controls" in Section 726.Appendix I ("eye"); and

B) When complying with the requirements of subsection (c)(3)(B)(ii), above, comply with the operating requirements prescribed by that subsection.

7) Extensions of time.

A) If the owner or operator does not submit a complete certification of compliance for all of the applicable emissions standards of Sections 726.204, 726.205, 726.206 and 726.207 by August 21, 1992, the owner or operator shall either:

i) Stop burning hazardous waste and begin closure activities under subsection (l), below, for the hazardous waste portion of the facility; or

ii) Limit hazardous waste burning only for purposes of compliance testing (and pretesting to prepare for compliance testing) a total period of 720 hours for the period of time beginning August 21, 1992, submit a notification to the Agency by August 21, 1992 stating that the facility is operating under restricted interim status and intends to resume burning hazardous waste, and submit a complete certification of compliance by August 23, 1993; or

iii) Obtain a case-by-case extension of time under subsection (c)(7)(B), below.

B) Case-by-case extensions of time. See Section 726.219.

8) Revised certification of compliance. The owner or operator may submit at any time a revised certification of compliance (recertification of compliance) under the following procedures:

A) Prior to submittal of a revised certification of compliance, hazardous waste must not be burned for more than a total of 720 hours under operating conditions that exceed those established under a current certification of compliance, and such burning

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must be conducted only for purposes of determining whether the facility can operate under revised conditions and continue to meet the applicable emissions standards of Sections 726.204, 726.205, 726.206 and 726.207;

B) At least 30 days prior to first burning hazardous waste under operating conditions that exceed those established under a current certification of compliance, the owner or operator shall notify the Agency and submit the following information:

i) USEPA facility ID number, and facility name, contact person, telephone number and address;

ii) Operating conditions that the owner or operator is seeking to revise and description of the changes in facility design or operation that prompted the need to seek to revise the operating conditions;

iii) A determination that, when operating under the revised operating conditions, the applicable emissions standards of Sections 726.204, 726.205, 726.206 and 726.207 are not likely to be exceeded. To document this determination, the owner or operator shall submit the applicable information required under subsection (b)(2), above; and

iv) Complete emissions testing protocol for any pretesting and for a new compliance test to determine compliance with the applicable emissions standards of Sections 726.204, 726.205, 726.206 and 726.207 when operating under revised operating conditions. The protocol shall include a schedule of pre-testing and compliance testing. If the owner or operator revises the scheduled date for the compliance test, the owner or operator shall notify the Agency in writing at least 30 days prior to the revised date of the compliance test;

C) Conduct a compliance test under the revised operating conditions and the protocol submitted to the Agency to determine compliance with the applicable emissions standards of Sections 726.204, 726.205, 726.206 and 726.207; and

D) Submit a revised certification of compliance under subsection (c)(4), above.

d) Periodic Recertifications. The owner or operator shall conduct compliance testing and submit to the Agency a recertification of compliance under provisions of subsection (c), above, within three years from submitting the previous certification or recertification. If the owner or operator seeks to recertify

compliance under new operating conditions, the owner or operator shall comply with the requirements of subsection (c)(8), above.

e) Noncompliance with certification schedule. If the owner or operator does not comply with the interim status compliance schedule provided by subsections (b), (c) and (d), above, hazardous waste burning must terminate on the date that the deadline is missed, closure activities must begin under subsection (l), below, and hazardous waste burning must not resume except under an operating permit issued under 35 Ill. Adm. Code 703.232. For purposes of compliance with the closure provisions of subsection (l), below, and 35 Ill. Adm. Code 725.212(d)(2) and 725.213 the BIF has received "the known final volume of hazardous waste" on the date the deadline is missed.

f) Start-up and shut-down. Hazardous waste (except waste fed solely as an ingredient under the Tier I (or adjusted Tier I) feed rate screening limits for metals and chloride/chlorine) must not be fed into the device during start-up and shut-down of the BIF, unless the device is operating within the conditions of operation specified in the certification of compliance.

g) Automatic waste feed cutoff. During the compliance test required by subsection (c)(3), above, and upon certification of compliance under subsection (c), above, a BIF must be operated with a functioning system that automatically cuts off the hazardous waste feed when the applicable operating conditions specified in subsections (c)(1)(A) and (E) through (M), above, deviate from those established in the certification of compliance. In addition:

1) To minimize emissions of organic compounds, the minimum combustion chamber temperature (or the indicator of combustion chamber temperature) that occurred during the compliance test must be maintained while hazardous waste or hazardous waste residues remain in the combustion chamber, with the minimum temperature during the compliance test defined as either:

A) If compliance with the combustion chamber temperature limit is based on a hourly rolling average, the minimum temperature during the compliance test is considered to be the average over all runs of the lowest hourly rolling average for each run; or

B) If compliance with the combustion chamber temperature limit is based on an instantaneous temperature measurement, the minimum temperature during the compliance test is considered to be the time-weighted average temperature during all runs of the test; and

2) Operating parameters limited by the certification of compliance must continue to be monitored during the cutoff, and the hazardous waste feed must not be restarted until the levels of those parameters comply with the limits established in the certification of compliance.

h) Fugitive emissions. Fugitive emissions must be controlled by:

1) Keeping the combustion zone totally sealed against fugitive emissions; or

2) Maintaining the combustion zone pressure lower than atmospheric pressure; or

3) An alternate means of control that the owner or operator demonstrates provides fugitive emissions control equivalent to maintenance of combustion zone pressure lower than atmospheric pressure. Support for such demonstration must be included in the operating record.

i) Changes. A BIF must cease burning hazardous waste when combustion properties, or feed rates of the hazardous waste, other fuels or industrial furnace feedstocks, or the BIF design or operating conditions deviate from the limits specified in the certification of compliance.

j) Monitoring and Inspections.

1) The owner or operator shall monitor and record the following, at a minimum, while burning hazardous waste:

A) Feed rates and composition of hazardous waste, other fuels and industrial furnace feed stocks, and feed rates of ash, metals, and total chlorine and chloride as necessary to ensure conformance with the certification of precompliance or certification of compliance;

B) CO, oxygen and, if applicable, HC, on a continuous basis at a common point in the BIF downstream of the combustion zone and prior to release of stack gases to the atmosphere in accordance with the operating limits specified in the certification of compliance. CO, HC and oxygen monitors must be installed, operated and maintained in accordance with methods specified in Section 726.Appendix I ("eye").

C) Upon the request of the Agency, sampling and analysis of the hazardous waste (and other fuels and industrial furnace feed stocks as appropriate) and the stack gas emissions must be conducted to verify that the operating conditions established in the certification of precompliance or certification of compliance achieve the applicable standards of Sections 726.204, 726.205, 726.206 and 726.207.

2) The BIF and associated equipment (pumps, valves, pipes, fuel storage tanks, etc.) must be subjected to thorough visual inspection when they contain hazardous waste, at least daily for leaks, spills, fugitive emissions and signs of tampering.

3) The automatic hazardous waste feed cutoff system and associated alarms must be tested at least once every 7 days when hazardous waste is burned to verify operability, unless the owner or operator can demonstrate that weekly

inspections will unduly restrict or upset operations and that less frequent inspections will be adequate. Support for such demonstration must be included in the operating record. At a minimum, operational testing must be conducted at least once every 30 days.

4) These monitoring and inspection data must be recorded and the records must be placed in the operating log.

k) Recordkeeping. The owner or operator shall keep in the operating record of the facility all information and data required by this Section until closure of the BIF unit.

l) Closure. At closure, the owner or operator shall remove all hazardous waste and hazardous waste residues (including, but not limited to, ash, scrubber waters and scrubber sludges) from the BIF and shall comply with 35 Ill. Adm. Code 725.211 through 725.215.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.204 Standards to control Organic Emissions

a) DRE standard.

1) General. Except as provided in subsection (a)(3), below, a BIF burning hazardous waste must achieve a DRE of 99.99% for all organic hazardous constituents in the waste feed. To demonstrate conformance with this requirement, 99.99% DRE must be demonstrated during a trial burn for each principal organic hazardous constituent (POHC) designated (under subsection (a)(2), below) in its permit for each waste feed. DRE is determined for each POHC from the following equation:

$$DRE = 100(I - O)/I$$

where:

I = Mass feed rate of one POHC in the hazardous waste fired to the BIF; and

O = Mass emission rate of the same POHC present in stack gas prior to release to the atmosphere.

2) Designation of POHCs. POHCs are those compounds for which compliance with the DRE requirements of this Section must be demonstrated in a trial burn in conformance with procedures prescribed in 35 Ill. Adm. Code 703.232. One or more POHCs must be designated by the Agency for each waste feed to be burned. POHCs must be designated based on the degree of difficulty of destruction of the organic constituents in the waste and on their concentrations or mass in the waste feed considering the results of waste analyses submitted with Part B of the permit application. POHCs are most likely to be selected from among those compounds listed in 35 Ill. Adm. Code 721.Appendix H that are also present in the normal waste feed. However, if the applicant demonstrates to the Agency that a compound not listed in 35 Ill. Adm. Code

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721.Appendix H or not present in the normal waste feed is a suitable indicator of compliance with the DRE requirements of this Section, that compound must be designated as a POHC. Such POHCs need not be toxic or organic compounds.

3) Dioxin-listed waste. A BIF burning hazardous waste containing (or derived from) USEPA Hazardous Wastes Nos. F020, F021, F022, F023, F026 or F027 must achieve a destruction and removal efficiency (DRE) of 99.9999% for each POHC designated (under subsection (a)(2), above) in its permit. This performance must be demonstrated on POHCs that are more difficult to burn than tetra-, penta- and hexachlorodibenzo-p-dioxins and dibenzofurans. DRE is determined for each POHC from the equation in subsection (a)(1), above. In addition, the owner or operator of the BIF shall notify the Agency of intent to burn USEPA Hazardous Waste Nos. F020, F021, F022, F023, F026 or F027.

4) Automatic waiver of DRE trial burn. Owners and operators of boilers operated under the special operating requirements provided by Section 726.210 are considered to be in compliance with the DRE standard of subsection (a)(1), above, and are exempt from the DRE trial burn.

5) Low risk waste. Owners and operators of BIFs that burn hazardous waste in compliance with the requirements of Section 726.209(a) are considered to be in compliance with the DRE standard of subsection (a)(1), above, and are exempt from the DRE trial burn.

b) CO standard.

1) Except as provided in subsection (c), below, the stack gas concentration of CO from a BIF burning hazardous waste cannot exceed 100 ppmv on an hourly rolling average basis (i.e., over any 60 minute period), continuously corrected to 7 percent oxygen, dry gas basis.

2) CO and oxygen must be continuously monitored in conformance with "Performance Specifications for Continuous Emission Monitoring of Carbon Monoxide and Oxygen for Incinerators, Boilers, and Industrial Furnaces Burning Hazardous Waste" in Section 726.Appendix I ("eye").

3) Compliance with the 100 ppmv CO limit must be demonstrated during the trial burn (for new facilities or an interim status facility applying for a permit) or the compliance test (for interim status facilities). To demonstrate compliance, the highest hourly rolling average CO level during any valid run of the trial burn or compliance test must not exceed 100 ppmv.

c) Alternative CO standard.

1) The stack gas concentration of CO from a BIF burning hazardous waste may exceed the 100 ppmv limit provided that stack gas concentrations of HCs do not exceed 20 ppmv, except as provided by subsection (f), below, for certain

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industrial furnaces.

2) HC limits must be established under this Section on an hourly rolling average basis (i.e., over any 60 minute period), reported as propane, and continuously corrected to 7 percent oxygen, dry gas basis.

3) HC must be continuously monitored in conformance with "Performance Specifications for Continuous Emission Monitoring of Hydrocarbons for Incinerators, Boilers, and Industrial Furnaces Burning Hazardous Waste" in Section 726.Appendix I ("eye"). CO and oxygen must be continuously monitored in conformance with subsection (b)(2), above.

4) The alternative CO standard is established based on CO data during the trial burn (for a new facility) and the compliance test (for an interim status facility). The alternative CO standard is the average over all valid runs of the highest hourly average CO level for each run. The CO limit is implemented on an hourly rolling average basis, and continuously corrected to 7 percent oxygen, dry gas basis.

d) Special requirements for furnaces. Owners and operators of industrial furnaces (e.g., kilns, cupolas) that feed hazardous waste for a purpose other than solely as an ingredient (see Section 726.203(a)(5)(B)) at any location other than the end where products are normally discharged and where fuels are normally fired must comply with the HC limits provided by subsections (c), above, or (f), below, irrespective of whether stack gas CO concentrations meet the 100 ppmv limit of subsection (b), above.

e) Controls for dioxins and furans. Owners and operators of BIFs that are equipped with a dry PM control device that operates within the temperature range of 450 through 750 °F, and industrial furnaces operating under an alternative HC limit established under subsection (f), below, shall conduct a site-specific risk assessment as follows to demonstrate that emissions of chlorinated dibenzo-p-dioxins and dibenzofurans do not result in an increased lifetime cancer risk to the hypothetical maximum exposed individual (MEI) exceeding 1E-05 (1 in 100,000):

1) During the trial burn (for new facilities or an interim status facility applying for a permit) or compliance test (for interim status facilities), determine emission rates of the tetra-octa congeners of chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (CDDs/CDFs) using Method 23, "Determination of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans (PCDFs) from Stationary Sources", in Section 726.Appendix I ("eye");

2) Estimate the 2,3,7,8-TCDD toxicity equivalence of the tetra-octa CDDs/CDFs congeners using "Procedures for Estimating the Toxicity Equivalence of Chlorinated Dibenzo-p-Dioxin and Dibenzofuran Congeners" in Section 726.Appendix I ("eye"). Multiply the emission rates of CDD/CDF congeners with a toxicity equivalence greater than zero (see the procedure) by the calculated toxicity equivalence factor to estimate the equivalent emission rate of 2,3,7,8-TCDD;

3) Conduct dispersion modeling using methods recommended in "Guideline on Air Quality Models (Revised)" or the "Hazardous Waste Combustion Air Quality Screening Procedure", which are provided in Appendices I and J, respectively, or "EPA SCREEN Screening Procedure" as described in Screening Procedures for Estimating Air Quality Impact of Stationary Sources (incorporated by reference in 35 Ill. Adm. Code 720.111) to predict the maximum annual average off-site ground level concentration of 2,3,7,8-TCDD equivalents determined under subsection (e)(2), above. The maximum annual average on-site concentration must be used when a person resides on-site; and

4) The ratio of the predicted maximum annual average ground level concentration of 2,3,7,8-TCDD equivalents to the risk-specific dose (RSD) for 2,3,7,8-TCDD provided in Section 726.Appendix E (2.2E-07) must not exceed 1.0.

f) Alternative HC limit for furnaces with organic matter in raw material. For industrial furnaces that cannot meet the 20 ppmv HC limit because of organic matter in normal raw material, the Agency shall establish an alternative HC limit on a case-by-case basis (under a Part B permit proceeding) at a level that ensures that flue gas HC (and CO) concentrations when burning hazardous waste are not greater than when not burning hazardous waste (the baseline HC level) provided that the owner or operator complies with the following requirements. However, cement kilns equipped with a by-pass duct meeting the requirements of subsection (g), below, are not eligible for an alternative HC limit.

1) The owner or operator shall demonstrate that the facility is designed and operated to minimize HC emissions from fuels and raw materials, and that the facility is producing normal products under normal operating conditions feeding normal feedstocks and fuels when the baseline HC (and CO) level is determined. The baseline HC ~~(and CO)~~ level is defined as the average over all valid test runs of the highest hourly rolling average value for each run when the facility does not burn hazardous waste, ~~and produces normal products under normal operating conditions feeding normal feedstocks and fuels~~adjusted as appropriate to consider the variability of hydrocarbon levels under good combustion operating conditions. The baseline CO level is determined based on the test runs used to establish the baseline HC level and is defined as the average over all test runs of the highest hourly rolling average CO value for each run. More than one baseline level must be determined if the facility operates under different modes that generate significantly different HC (and CO) levels;

2) The owner or operator shall develop an approach to monitor over time changes in the operation of the facility that could reduce the baseline HC level;

3) The owner or operator shall conduct emissions testing during the trial burn to:

A) Determine the baseline HC (and CO) level;

B) Demonstrate that, when hazardous waste is burned, HC (and CO) levels do not exceed the baseline level; and

C) Identify the types and concentrations of organic compounds listed in 35 Ill. Adm. Code 721.Appendix H, that are emitted and conduct dispersion modeling to predict the maximum annual average ground level concentration of each organic compound. On-site ground level concentrations must be considered for this evaluation if a person resides on site.

i) Sampling and analysis of organic emissions must be conducted using procedures prescribed by the Agency pursuant to 35 Ill. Adm. Code 703.208(a).

ii) Dispersion modeling must be conducted according to procedures provided by subsection (e)(2), above; and

D) Demonstrate that maximum annual average ground level concentrations of the organic compounds identified in subsection (f)(3)(C), above, do not exceed the following levels:

i) For the noncarcinogenic compounds listed in Section 726.Appendix D, the levels established in Section 726.Appendix D;

ii) For the carcinogenic compounds listed in Section 726.Appendix E, the sum for all compounds of the ratios of the actual ground level concentration to the level established in Section 726.Appendix E cannot exceed 1.0. To estimate the health risk from chlorinated dibenzo-p-dioxins and dibenzofuran congeners, use the procedures prescribed by subsection (e)(3), above, to estimate the 2,3,7,8-TCDD toxicity equivalence of the congeners.

iii) For compounds not listed in Section 726.Appendix D or E, 0.1 ug/cu m.

4) All HC levels specified under this subsection are to be monitored and reported as specified in subsections (c)(1) and (2), above.

g) Monitoring CO and HC in the by-pass duct of a cement kiln. Cement kilns may comply with the CO and HC limits provided by subsections (b), (c) and (d), above, by monitoring in the by-pass duct provided that:

1) Hazardous waste is fired only into the kiln and not at any location downstream from the kiln exit relative to the direction of gas flow; and

2) The by-pass duct diverts a minimum of 10% of kiln off-gas into the duct.

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h) Use of emissions test data to demonstrate compliance and establish operating limits. Compliance with the requirements of this Section must be demonstrated simultaneously by emissions testing or during separate runs under identical operating conditions. Further, data to demonstrate compliance with the CO and HC limits of this Section or to establish alternative CO or HC limits under this Section must be obtained during the time that DRE testing, and where applicable, CDD/CDF testing under subsection (e), above, and comprehensive organic emissions testing under subsection (f), above, is conducted.

i) Enforcement. For the purposes of permit enforcement, compliance with the operating requirements specified in the permit (under Section 726.202) will be regarded as compliance with this Section. However, evidence that compliance with those permit conditions is insufficient to ensure compliance with the requirements of this Section is "information" justifying modification or revocation and re-issuance of a permit under 35 Ill. Adm. Code 703.270 et seq.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.206 Standards to control Metals Emissions

a) General. The owner or operator shall comply with the metals standards provided by subsections (b), (c), (d), (e) or (f), below, for each metal listed in subsection (b), below, that is present in the hazardous waste at detectable levels using analytical procedures specified in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846), incorporated by reference in 35 Ill. Adm. Code 720.111.

b) Tier I feed rate screening limits. Feed rate screening limits for metals are specified in Section 726.Appendix A as a function of terrain-adjusted effective stack height (TESH) and terrain and land use in the vicinity of the facility. Criteria for facilities that are not eligible to comply with the screening limits are provided in subsection (b)(7), below.

1) Noncarcinogenic metals. The feed rates of the noncarcinogenic metals in all feed streams, including hazardous waste, fuels and industrial furnace feed stocks must not exceed the screening limits specified in Section 726.Appendix A.

A) The feed rate screening limits for antimony, barium, mercury, thallium and silver are based on either:

i) An hourly rolling average as defined in Sections 726.200(g) and 726.202(e)(6)(A)(ii); or

ii) An instantaneous limit not to be exceeded at any time.

B) The feed rate screening limit for lead is based on one of the following:

i) An hourly rolling average as defined in Sections 726.200(g) and 726.202(e)(6)(A)(ii);

ii) An averaging period of 2 to 24 hours as defined in Section 726.202(e)(6)(B) with an instantaneous feed rate limit not to exceed 10 times the feed rate that would be allowed on an hourly rolling average basis; or

iii) An instantaneous limit not to be exceeded at any time.

2) Carcinogenic metals.

A) The feed rates of carcinogenic metals in all feed streams, including hazardous waste, fuels and industrial furnace feed stocks must not exceed values derived from the screening limits specified in Section 726.Appendix A. The feed rate of each of these metals is limited to a level such that the sum of the ratios of the actual feed rate to the feed rate screening limit specified in Section 726.Appendix A must not exceed 1.0, as provided by the following equation:

$$SUM(Ai/Fi) \leq 1.0$$

where:

SUM(Xi) means the sum of the values of X for each metal "i", from i = 1 to n.

n = number of carcinogenic metals

Ai = actual feed rate to the device for metal "i"

Fi = feed rate screening limit provided by Section 726.Appendix A for metal "i".

B) The feed rate screening limits for the carcinogenic metals are based on either:

i) An hourly rolling average; or

ii) An averaging period of 2 to 24 hours, as defined in Section 726.202(e)(6)(B), with an instantaneous feed rate limit not to exceed 10 times the feed rate that would be allowed on an hourly rolling average basis.

3) TESH (terrain adjusted effective stack height).

A) The TESH is determined according to the following equation:

$$TESH = H + P - T$$

where:

H = Actual physical stack height (m)

P = Plume rise (in m) as determined from Section 726.Appendix F as a function of stack flow rate and stack gas exhaust temperature.

T = Terrain rise (in m) within five kilometers of the stack.

B) The stack height (H) must not exceed good engineering practice stack height, as defined in Section 726.200(g).

C) If the TESH calculated pursuant to subsection (b)(3)(A), above, is not listed in Appendices A through C, the values for the nearest lower TESH listed in the table must be used. If the TESH is four meters or less, a value based on four meters must be used.

4) Terrain type. The screening limits are a function of whether the facility is located in noncomplex or complex terrain. A device located where any part of the surrounding terrain within 5 kilometers of the stack equals or exceeds the elevation of the physical stack height (H) is considered to be in complex terrain and the screening limits for complex terrain apply. Terrain measurements are to be made from U.S. Geological Survey 7.5-minute topographic maps of the area surrounding the facility.

5) Land use. The screening limits are a function of whether the facility is located in an area where the land use is urban or rural. To determine whether land use in the vicinity of the facility is urban or rural, procedures provided in Appendices I ("eye") or J shall be used.

6) Multiple stacks. Owners and operators of facilities with more than one on-site stack from a BIF, incinerator or other thermal treatment unit subject to controls of metals emissions under a RCRA permit or interim status controls shall comply with the screening limits for all such units assuming all hazardous waste is fed into the device with the worst-case stack based on dispersion characteristics. The stack with the lowest value of K is the worst-case stack. K is determined from the following equation as applied to each stack:

$$K = H*V*T$$

Where:

K = a parameter accounting for relative influence of stack height and plume rise;

H = physical stack height (meters);

V = stack gas flow rate (cu m/second); and

T = exhaust temperature (degrees K).

7) Criteria for facilities not eligible for screening limits. If any criteria below are met, the Tier I (and Tier II) screening limits do not apply. Owners and operators of such facilities shall comply with either the Tier III standards provided by subsection (d), below or with the adjusted Tier I feed rate screening limits provided by subsection (e) below.

A) The device is located in a narrow valley less than one kilometer wide;

B) The device has a stack taller than 20 meters and is located such that the terrain rises to the physical height within one kilometer of the facility;

C) The device has a stack taller than 20 meters and is located within five kilometers of a shoreline of a large body of water such as an ocean or large lake;

D) The physical stack height of any stack is less than 2.5 times the height of any building within five building heights or five projected building widths of the stack and the distance from the stack to the closest boundary is within five building heights or five projected building widths of the associated building; or

8) Implementation. The feed rate of metals in each feedstream must be monitored to ensure that the feed rate screening limits are not exceeded.

c) Tier II emission rate screening limits. Emission rate screening limits are specified in Section 726.Appendix A as a function of TESH and terrain and land use in the vicinity of the facility. Criteria for facilities that are not eligible to comply with the screening limits are provided in subsection (b)(7), above.

1) Noncarcinogenic metals. The emission rates of noncarcinogenic metals must not exceed the screening limits specified in Section 726.Appendix A.

2) Carcinogenic metals. The emission rates of carcinogenic metals must not exceed values derived from the screening limits specified in Section 726.Appendix A. The emission rate of each of these metals is limited to a level such that the sum of the ratios of the actual emission rate to the emission rate screening limit specified in Section 726.Appendix A must not exceed 1.0, as provided by the following equation:

$$SUM(Ai/Ei) \leq 1.0$$

where:

SUM(Xi) means the sum of the values of X for each metal i, from 1 = 1 to n.

n = number of carcinogenic metals

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Ai = actual emission rate for metal "i"

Ei = emission rate screening limit provided by Section 726.Appendix A for metal "i".

3) Implementation. The emission rate limits must be implemented by limiting feed rates of the individual metals to levels during the trial burn (for new facilities or an interim status facility applying for a permit) or the compliance test (for interim status facilities). The feed rate averaging periods are the same as provided by subsections (b)(1)(A) and (B) and (b)(2)(B), above. The feed rate of metals in each feedstream must be monitored to ensure that the feed rate limits for the feedstreams specified under Sections 726.202 or 726.203 are not exceeded.

4) Definitions and limitations. The definitions and limitations provided by subsection (b), above, and 726.200(g) for the following terms also apply to the Tier II emission rate screening limits provided by this subsection (c): TESH, good engineering practice stack height, terrain type, land use and criteria for facilities not eligible to use the screening limits.

5) Multiple stacks.

A) Owners and operators of facilities with more than one on-site stack from a BIF, incinerator or other thermal treatment unit subject to controls on metals emissions under a RCRA permit or interim status controls shall comply with the emissions screening limits for any such stacks assuming all hazardous waste is fed into the device with the worst-case stack based on dispersion characteristics.

B) The worst-case stack is determined by procedures provided in subsection (b)(6), above.

C) For each metal, the total emissions of the metal from those stacks must not exceed the screening limit for the worst-case stack.

d) Tier III site-specific risk assessment. The requirements of this subsection apply to facilities complying with either the Tier III or Adjusted Tier I except where specified otherwise.

1) General. Conformance with the Tier III metals controls must be demonstrated by emissions testing to determine the emission rate for each metal. In addition, conformance with either Tier III or Adjusted Tier I metals controls must be demonstrated by air dispersion modeling to predict the maximum annual average off-site ground level concentration for each metal and a demonstration that acceptable ambient levels are not exceeded.

2) Acceptable ambient levels. Appendices D and E list the acceptable ambient levels for purposes of this Subpart.

Reference air concentrations (RACs) are listed for the noncarcinogenic metals and 1E-05 RSDs are listed for the carcinogenic metals. The RSD for a metal is the acceptable ambient level for that metal provided that only one of the four carcinogenic metals is emitted. If more than one carcinogenic metal is emitted, the acceptable ambient level for the carcinogenic metals is a fraction of the RSD as described in subsection (d)(3), below.

3) Carcinogenic metals. For the carcinogenic metals the sum of the ratios of the predicted maximum annual average off-site ground level concentrations (except that on-site concentrations must be considered if a person resides on site) to the RSD for all carcinogenic metals emitted must not exceed 1.0 as determined by the following equation:

$$SUM(Pi/Ri) \leq 1.0$$

where:

SUM(Xi) means the sum of the values of X for each metal i, from i = 1 to n.

n = number of carcinogenic metals

Pi = Predicted ambient concentration for metal i.

Ri = RSD for metal i.

4) Noncarcinogenic metals. For the noncarcinogenic metals, the predicted maximum annual average off-site ground level concentration for each metal must not exceed the RAC.

5) Multiple stacks. Owners and operators of facilities with more than one on-site stack from a BIF, incinerator or other thermal treatment unit subject to controls on metals emissions under a RCRA permit or interim status controls shall conduct emissions testing (except that facilities complying with Adjusted Tier I controls need not conduct emissions testing) and dispersion modeling to demonstrate that the aggregate emissions from all such on-site stacks do not result in an exceedance of the acceptable ambient levels.

6) Implementation. Under Tier III, the metals controls must be implemented by limiting feed rates of the individual metals to levels during the trial burn (for new facilities or an interim status facility applying for a permit) or the compliance test (for interim status facilities). The feed rate averaging periods are the same as provided by subsections (b)(1)(A) and (B) and (b)(2)(B), above. The feed rate of metals in each feedstream must be monitored to ensure that the feed rate limits for the feedstreams specified under Sections 726.202 or 726.203 are not exceeded.

e) Adjusted Tier I feed rate screening limits. The owner or operator

may adjust the feed rate screening limits provided by Section 726.Appendix A to account for site-specific dispersion modeling. Under this approach, the adjusted feed rate screening limit for a metal is determined by back-calculating from the acceptable ambient levels provided by Appendices D and E using dispersion modeling to determine the maximum allowable emission rate. This emission rate becomes the adjusted Tier I feed rate screening limit. The feed rate screening limits for carcinogenic metals are implemented as prescribed in subsection (b)(2), above.

f) Alternative implementation approaches.

1) Pursuant to subsection (f)(2), below, the Agency shall approve on a case-by-case basis approaches to implement the Tier II or Tier III metals emission limits provided by subsections (c) or (d), above, alternative to monitoring the feed rate of metals in each feedstream.

2) The emission limits provided by subsection (d), above, must be determined as follows:

A) For each noncarcinogenic metal, by back-calculating from the RAC provided in Section 726.Appendix D to determine the allowable emission rate for each metal using the dilution factor for the maximum annual average ground level concentration predicted by dispersion modeling in conformance with subsection (h), below; and

B) For each carcinogenic metal by:

i) Back-calculating from the RSD provided in Section 726.Appendix E to determine the allowable emission rate for each metal if that metal were the only carcinogenic metal emitted using the dilution factor for the maximum annual average ground level concentration predicted by dispersion modeling in conformance with subsection (h), below; and

ii) If more than one carcinogenic metal is emitted, selecting an emission limit for each carcinogenic metal not to exceed the emission rate determined by subsection (f)(2)(B)(i), above, such that the sum for all carcinogenic metals of the ratios of the selected emission limit to the emission rate determined by that subsection does not exceed 1.0.

g) Emission testing.

1) General. Emission testing for metals must be conducted using the Multiple Metals Train as described in Section 726.Appendix I ("eye").

2) Hexavalent chromium. Emissions of chromium are assumed to be hexavalent chromium unless the owner or operator conducts emissions testing to determine hexavalent chromium emissions

using procedures prescribed in Section 726.Appendix I ("eye").

h) Dispersion modeling. Dispersion modeling required under this Section must be conducted according to methods recommended in Section 726.Appendix J, the "Hazardous Waste Combustion Air Quality Screening Procedure" described in Section 726.Appendix I ("eye"), or "EPA SCREEN Screening Procedure" as described in Screening Procedures for Estimating Air Quality Impact of Stationary Sources (the latter document is incorporated by reference, see 35 Ill. Adm. Code 720.111) to predict the maximum annual average off-site ground level concentration. However, on-site concentrations must be considered when a person resides on-site.

i) Enforcement. For the purposes of permit enforcement, compliance with the operating requirements specified in the permit (under Section 726.202) will be regarded as compliance with this Section. However, evidence that compliance with those permit conditions is insufficient to ensure compliance with the requirements of this Section is "information" justifying modification or revocation and re-issuance of a permit under 35 Ill. Adm. Code 703.270 et seq.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.207 Standards to Control HCl and Chlorine Gas Emissions

a) General. The owner or operator shall comply with the HCl and chlorine gas controls provided by subsections (b)~~or~~, (c) or (e), below.

b) Screening limits.

1) Tier I feed rate screening limits. Feed rate screening limits are specified for total chlorine in Section 726.Appendix B as a function of TESH and terrain and land use in the vicinity of the facility. The feed rate of total chlorine and chloride, both organic and inorganic, in all feed streams, including hazardous waste, fuels and industrial furnace feed stocks must not exceed the levels specified.

2) Tier II emission rate screening limits. Emission rate screening limits for HCl and chlorine gas are specified in Section 726.Appendix C as a function of TESH and terrain and land use in the vicinity of the facility. The stack emission rates of HCl and chlorine gas must not exceed the levels specified.

3) Definitions and limitations. The definitions and limitations provided by Section 726.200(g) and 726.206(b) for the following terms also apply to the screening limits provided by this subsection: TESH, good engineering practice stack height, terrain type, land use and criteria for facilities not eligible to use the screening limits.

4) Multiple stacks. Owners and operators of facilities with more than one on-site stack from a BIF, incinerator or other

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thermal treatment unit subject to controls on HCl or chlorine gas emissions under a RCRA permit or interim status controls shall comply with the Tier I and Tier II screening limits for those stacks assuming all hazardous waste is fed into the device with the worst-case stack based on dispersion characteristics.

A) The worst-case stack is determinsd by procedures provided in Section 726.206(b)(6).

B) Under Tier I, the total feed rate of chlorine and chloride to all subject devices must not exceed the screening limit for the worst-case stack.

C) Under Tier II, the total emissions of HCl and chlorine gas from all subject stacks must not exceed the screening limit for the worst-case stack.

c) Tier III site-specific risk assessments.

1) General. Conformance with the Tier III controls must be demonstrated by emissions testing to determine the emission rate for HCl and chlorine gas, air dispersion modeling to predict the maximum annual average off-site ground level concentration for each compound, and a demonstration that acceptable ambient levels are not exceeded.

2) Acceptable ambient levels. Section 726.Appendix D lists the RACs for HCl (7 ug/cu m) and chlorine gas (0.4 ug/cu m).

3) Multiple stacks. Owners and operators of facilities with more than one on-site stack from a BIF, incinerator or other thermal treatment unit subject to controls on HCl or chlorine gas emissions under a RCRA permit or interim status controls shall conduct emissions testing and dispersion modeling to demonstrate that the aggregate emissions from all such on-site stacks do not result in an exceedance of the acceptable ambient levels for HCl and chlorine gas.

d) Averaging periods. The HCl and chlorine gas controls are implemented by limiting the fesd rate of total chlorine and chloride in all feedstreams, including hazardous waste, fuels and industrial furnace feed stocks. Under Tier I, the feed rate of total chlorine and chloride is limited to the Tier I Screening Limits. Under Tier II and Tier III, the feed rate of total chlorine and chloride is limited to the feed rates during the trial burn (for new facilities or an interim status facility applying for a permit) or the compliance test (for interim status facilities). The feed rate limits are based on either:

1) An hourly rolling average as defined in Section 726.200(g) and 726.202(e)(6); or

2) An instantaneous basis not to be exceeded at any time.

e) Adjustsd Tier I feed rate screening limits. The owner or operator may adjust the fesd rate screening limit provided by Section 726.Appendix B to account for site-specific dispersion modeling.

Under this approach, the adjusted feed rate screening limit is determined by back-calculating from the acceptable ambient level for chlorine gas provided by Section 726.Appendix D using dispersion modeling to determine the maximum allowable emission rate. This emission rate becomes the adjusted Tier I feed rate screening limit.

f) Emissions testing. Emissions testing for HCl and chlorine gas must be conducted using the procedures dsscribed in Section 726.Appendix I ("eye").

g) Dispersion modeling. Dispersion modeling must be conducted according to the provisions of Section 726.206(h).

h) Enforcement. For the purposes of permit enforcement, compliance with the operating requirements specified in the psrmit (under Section 726.202) will be regarded as compliance with this Section. However, evidence that compliance with those permit conditions is insufficient to ensure compliance with the requirements of this Section is "information" justifying modification or revocation and re-issuance of a permit under 35 Ill. Adm. Code 703.270 et seq.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.212 Regulation of Residues

A residue derived from the burning or processing of hazardous waste in a BIF is not excluded from the definition of a hazardous waste under 35 Ill. Adm. Code 721.104(b)(4), (7) or (8) unless the device and the owner or operator meet the following requiremsnts:

a) The device meets the following criteria:

1) Boilers. Boilers must burn at lsast 50% coal on a total heat input or mass basis, whichever results in the greater mass feed rate of coal;

2) Ore or mineral furnaces. Industrial furnaces subject to 35 Ill. Adm. Code 721.104(b)(7) must process at least 50% by weight normal, nonhazardous raw materials;

3) Cement kilns. Cemsnt kilns must process at least 50% by weight normal cement-production raw materials;

b) The owner or operator demonstrates that the hazardous waste does not significantly affect the residue by demonstrating conformance with either of the following criteria:

1) Comparison of waste-derivsd residue with normal residue. The waste-derived residue must not contain 35 Ill. Adm. Code 721.Appendix H constituents (toxic constituents) that could reasonably be attributable to the hazardous waste at concentrations significantly higher than in residue generated without burning or processing of hazardous waste, using the following procedure. Toxic compounds that could reasonably be attributable to burning or processing the hazardous waste (constituents of concern) include toxic constituents in the hazardous waste, and the organic

compounds listed in 35 Ill. Adm. Code 721.Appendix H that may be PICs. Sampling and analyses must be in conformance with procedures prescribed in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

A) Normal residue. Concentrations of toxic constituents of concern in normal residue must be determined based on analyses of a minimum of 10 samples representing a minimum of 10 days of operation. Composite samples may be used to develop a sample for analysis provided that the compositing period does not exceed 24 hours. The upper tolerance limit (at 95% confidence with a 95% proportion of the sample distribution) of the concentration in the normal residue shall be considered the statistically-derived concentration in the normal residue. If changes in raw materials or fuels reduce the statistically-derived concentrations of the toxic constituents of concern in the normal residue, the statistically-derived concentrations must be revised or statistically-derived concentrations of toxic constituents in normal residue must be established for a new mode of operation with the new raw material or fuel. To determine the upper tolerance limit in the normal residue, the owner or operator shall use statistical procedures prescribed in "Statistical Methodology for Bevill Residue Determinations" in Section 726.Appendix I ("eye").

B) Waste-derived residue. Waste derived residue must be sampled and analyzed as often as necessary to determine whether the residue generated during each 24-hour period has concentrations of toxic constituents that are higher than the concentrations established for the normal residue under subsection (b)(1)(A), above. If so, hazardous waste burning has significantly affected the residue and the residue is not excluded from the definition of "hazardous waste". Concentrations of toxic constituents in waste-derived residue must be determined based on analysis of one or more samples obtained over a 24-hour period. Multiple samples may be analyzed, and multiple samples may be taken to form a composite sample for analysis provided that the sampling period does not exceed 24 hours. If more than one sample is analyzed to characterize waste-derived residues generated over a 24-hour period, the concentration of each toxic constituent must be the arithmetic mean of the concentrations in the samples. No results can be disregarded; or

2) Comparison of waste-derived residue concentrations with health-based limits.

A) Nonmetal constituents. The concentrations of nonmetal toxic constituents of concern (specified in subsection (b)(1), above) in the waste-derived residue must not exceed the health-based levels specified in Section 726.Appendix G, or the level of detection (using

analytical procedures prescribed in SW-846 incorporated by reference in 35 Ill. Adm. Code 720.111), whichever is higher. If a health-based limit for a constituent of concern is not listed in Section 726.Appendix G, then a limit of 0.002 ug/kg or the level of detection (using analytical procedures prescribed in SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111), whichever is higher, must be used; and

B) Metal constituents. The concentration of metals in an extract obtained using the TCLP test must not exceed the levels specified in Section 726.Appendix G; and

C) Sampling and analysis. Wastewater-derived residue must be sampled and analyzed as often as necessary to determine whether the residue generated during each 24 hour period has concentrations of toxic constituents which are higher than the health-based levels. Concentrations of concern in the wastewater-derived residue must be determined based on analysis of one or more samples obtained over a 24-hour period. Multiple samples may be analyzed, and multiple samples may be taken to form a composite for analysis provided that the sampling period does not exceed 24 hours. If more than one sample is analyzed to characterize waste-derived residues generated over a 24 hour period, the concentration of each toxic constituent is the arithmetic mean of the concentrations of the samples. No results can be disregarded; and

c) Records sufficient to document compliance with the provisions of this Section must be retained until closure of the BIF unit. At a minimum, the following must be recorded:

1) Levels of constituents in 35 Ill. Adm. Code 721.Appendix H that are present in waste-derived residues;

2) If the waste-derived residue is compared with normal residue under subsection (b)(1), above:

A) The levels of constituents in 35 Ill. Adm. Code 721.Appendix H that are present in normal residues; and

B) Data and information, including analyses of samples as necessary, obtained to determine if changes in raw materials or fuels would reduce the concentration of toxic constituents of concern in the normal residue.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.219 Extensions of Time

The owner or operator may request a case-by-case extension of time to extend any time limit provided by Section 726.203(c). The operator shall file a petition for a RCRA variance pursuant to 35 Ill. Adm. Code 104. The Board will grant the variance if compliance with the time limit is not practicable

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for reasons beyond the control of the owner or operator.

a) In granting an extension, the Board will apply conditions as the facts warrant to ensure timely compliance with the requirements of Section 726.203 and that the facility operates in a manner that does not pose a hazard to human health and the environment;

b) When an owner and operator requests an extension of time to enable the facility to comply with the alternative hydrocarbon provisions of Section 726.204(f) and ~~them to~~ obtain a RCRA permit because the facility cannot meet the HC limit of Section 726.204(c):

1) The Board will, in considering whether to grant the extension:

A) Determine whether the owner and operator have submitted in a timely manner a complete Part B permit application that includes information required under 35 Ill. Adm. Code 703.208(b); and

B) Consider whether the owner and operator have made a good faith effort to certify compliance with all other emission controls, including the controls on dioxins and furans of Section 726.204(e) and the controls on PM, metals and HCl/chlorine gas.

2) If an extension is granted, the Board will, as a condition of the extension, require the facility to operate under flue gas concentration limits on CO and HC that, based on available information, including information in the Part B permit application, are baseline CO and HC levels as defined by Section 726.204(f)(1).

BOARD NOTE: Derived from 40 CFR 266.103(c)(7)(ii), adopted at 56 Fed. Reg. 7206, February 21, 1991; ~~and~~ 56 Fed. Reg. 32688, July 17, 1991; and 57 Fed. Reg. 38566, August 25, 1992.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

Section 726.Appendix I Methods Manual for Compliance with BIF Regulations

See "Methods Manual for Compliance with BIF Regulations". This document is available from two sources. It is available through NTIS, incorporated by reference in 35 Ill. Adm. Code 720.111. It is also available as 40 CFR 266, Appendix IX, adopted at 56 Fed. Reg. 32688, July 17, 1991 and amended at 56 Fed. Reg. 42511, August 27, 1991, 57 Fed. Reg. 38566, August 25, 1992, and 57 Fed. Reg. 45001, September 30, 1992, which is incorporated by reference. This incorporation includes no future editions or amendments.

(Source: Amended at 17 Ill. Reg. _____, effective November 22, 1993)

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NOTICE OF ADOPTED RULES

1) Heading of the Part: Standards for the Management of Used Oil

2) Code Citation: 35 Ill. Adm. Code 739

3)

Section Numbers:	Adopted Action:
739.100, 739.110, 739.111	New Section
739.112, 739.120, 739.121	New Section
739.122, 739.123, 739.124	New Section
739.130, 739.131, 739.132	New Section
739.140, 739.141, 739.142	New Section
739.143, 739.144, 739.145	New Section
739.146, 739.147	New Section
739.150, 739.151, 739.152	New Section
739.153, 739.154, 739.155	New Section
739.156, 739.157, 739.158	New Section
739.159, 739.160, 739.161	New Section
739.162, 739.163, 739.164	New Section
739.165, 739.166, 739.167	New Section
739.170, 739.171, 739.172	New Section
739.173, 739.174, 739.175	New Section
739.180, 739.181, 739.182	New Section

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27].

5) Effective Date of rulemaking: November 22, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify the date: Not applicable

7) Does this Part contain incorporations by reference?

No.

8) Date filed in Board's principal office: Order adopted September 23, 1993.

9) Notice of Proposal Published in Illinois Register:

The proposed rule was published in 17 Ill. Reg. 9578 on June 25, 1993.

10) Has JCAR issued a Statement of Objections to these rules? No.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1022.4(a) [415 ILCS 5/22.4(a)]) provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

11) Differences between proposal and final version:

Minor editorial differences.

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

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Section 22.4(a) of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

13) Will this rulemaking replace an emergency rule currently in effect? No.

14) Are there any other amendments pending on this Part? No.

15) Summary and purpose of rulemaking:

New Part 739 concerns the management of used oil. The standards cover used oil generators, transporters, processors, burners and marketers.

A more detailed description is contained in the Board's opinion of September 23, 1993, in R93-4, which Opinion is available from the address below. Section 22.4 of the Environmental Protection Act provides that Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's RCRA rules to correspond with amendments adopted by USEPA which appeared in the Federal Register during the period July 1, 1992 through December 31, 1992.

16) Information and questions regarding this adopted rulemaking shall be directed to:

Anne E. Manly
Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60610
312-814-3473

The full text of the adopted rule begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED RULES

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER E: SPECIFIC HAZARDOUS WASTE MANAGEMENT STANDARDS

PART 739
STANDARDS FOR THE MANAGEMENT OF USED OIL

SUBPART A: DEFINITIONS

Section
739.100 Definitions

SUBPART B: APPLICABILITY

Section
739.110 Applicability
739.111 Used oil specifications
739.112 Prohibitions

SUBPART C: STANDARDS FOR USED OIL GENERATORS

Section
739.120 Applicability
739.121 Hazardous waste mixing
739.122 Used oil storage
739.123 On-site burning in space heaters
739.124 Off-site shipments

SUBPART D: STANDARDS FOR USED OIL COLLECTION CENTERS AND AGGREGATION POINTS

Section
739.130 Do-it-yourselfer used oil collection centers
739.131 Used oil collection centers
739.132 Used oil aggregate points owned by the generator

SUBPART E: STANDARDS FOR USED OIL TRANSPORTER AND TRANSFER FACILITIES

Section
739.140 Applicability
739.141 Restrictions on transporters who are not also processors
739.142 Notification
739.143 Used oil transportation
739.144 Rebuttable presumption for used oil
739.145 Used oil storage at transfer facilities
739.146 Tracking
739.147 Management of residues

SUBPART F: STANDARDS FOR USED OIL PROCESSORS

Section
739.150 Applicability
739.151 Notification
739.152 General facility standards
739.153 Rebuttable presumption for used oil
739.154 Used oil management
739.155 Analysis plan
739.156 Tracking
739.157 Operating record and reporting
739.158 Off-site shipments of used oil
739.159 Management of residues

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SUBPART G: STANDARDS FOR USED OIL BURNERS WHO BURN OFF-SPECIFICATION USED OIL FOR ENERGY RECOVERY

Section
739.160 Applicability
739.161 Restriction on burning
739.162 Notification
739.163 Rebuttable presumption for used oil
739.164 Used oil storage
739.165 Tracking
739.166 Notices
739.167 Management of residues

SUBPART H: STANDARDS FOR USED OIL FUEL MARKETERS

Section
739.170 Applicability
739.171 Prohibitions
739.172 On-specification used oil fuel
739.173 Notification
739.174 Tracking
739.175 Notices

SUBPART I: STANDARDS FOR USE AS A DUST SUPPRESSANT DISPOSAL OF USED OIL

Section
739.180 Applicability
739.181 Disposal
739.182 Use as a dust suppressant

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 5/27]).

SOURCE: Adopted in R93-4 at 17 Ill. Reg. _____, effective November 22,1993 _____.

SUBPART A: DEFINITIONS

Section 739.100 Definitions

Terms that are defined in 35 Ill. Adm. Code 720.110, 721.101, and 731.112 have the same meanings when used in this Part.

"Aboveground tank" means a tank used to store or process used oil that is not an underground storage tank as defined in 35 Ill. Adm. Code 280.12.
BOARD NOTE: This definition is different from the definition for "Aboveground tank" given in 35 Ill. Adm. Code 720.110. Although the meanings are similar, the main distinction is that the definition for this Part limits the tanks to those used to store or process used oil, whereas the 720.110 definition contemplates tanks which contain hazardous wastes. The above definition is limited to this Part only.

"Container" means any portable device in which a material is stored, transported, treated, disposed of, or otherwise handled.

"Do-it-yourselfer used oil collection center" means any site or facility that accepts or aggregates and stores used oil collected only from household do-it-yourselfers.

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"Existing tank" means a tank that is used for the storage or processing of used oil and that is in operation, or for which installation has commenced on or prior to the effective date of the authorized used oil program for the State in which the tank is located. Installation will be considered to have commenced if the owner or operator has obtained all federal, state, and local approvals or permits necessary to begin installation of the tank and if either:

A continuous on-site installation program has begun, or

The owner or operator has entered into contractual obligations-which cannot be canceled or modified without substantial loss-for installation of the tank to be completed within a reasonable time.
BOARD NOTE: This definition is similar to the definition for "Existing tank system" in 35 Ill. Adm. Code 720.110. Although the meanings are similar, the definition given above for "existing tank" in this Part limits the tanks to those used to store or process used oil, whereas the 720.110 definition contemplates tanks systems which contain hazardous wastes. The above definition is limited to this Part only.

"Household 'do-it-yourselfer' used oil" means oil that is derived from households, such as used oil generated by individuals who generate used oil through the maintenance of their personal vehicles.

BOARD NOTE: Household 'do-it-yourselfer' used oil is not subject to the State's special waste hauling permit requirements under Part 809.

"Household 'do-it-yourselfer' used oil generator" means an individual who generates household "do-it-yourselfer" used oil.

"New tank" means a tank that will be used to store or process used oil and for which installation has commenced after the effective date of the authorized used oil program for the State in which the tank is located.
BOARD NOTE: This definition is similar to the definition given for "New tank system" given in 35 Ill. Adm. Code 720.110. Although the meanings are similar, the definition given above for "new tank" in this Part limits the tanks to those used to store or process used oil, whereas the 720.110 definition contemplates new tanks systems which contain hazardous wastes. The above definition is limited to this Part only.

"Processing" means chemical or physical operations designed to produce from used oil, or to make used oil more amenable for production of, fuel oils, lubricants, or other used oil-derived product. Processing includes, but is not limited to: blending used oil with virgin petroleum products, blending used oils to meet the fuel specification, filtration, simple distillation, chemical or physical separation and re-refining.

"Re-refining distillation bottoms" means the heavy fraction produced by vacuum distillation of filtered and dehydrated used

oil. The composition of still bottoms varies with column operation and feedstock.

"Tank" means any stationary device, designed to contain an accumulation of used oil which is constructed primarily of non-earthen materials, (e.g., wood, concrete, steel, plastic) which provides structural support.

"Used oil" means any oil that has been refined from crude oil, or any synthetic oil, that has been used and as a result of such use if contaminated by physical or chemical impurities.

"Used oil aggregation point" means any site or facility that accepts, aggregates, or stores used oil collected only from other used oil generation sites owned or operated by the owner or operator of the aggregation point, from which used oil is transported to the aggregation point in shipments of no more than 55 gallons. Used oil aggregation points may also accept used oil from household do-it-yourselfers.

"Used oil burner" means a facility where used oil not meeting the specification requirements in Section 739.111 is burned for energy recovery in devices identified in Section 739.161(a).

"Used oil collection center" means any site or facility that is registered by the Agency to manage used oil and accepts or aggregates and stores used oil collected from used oil generators regulated under Subpart C of this Part who bring used oil to the collection center in shipments of no more than 55 gallons under the provisions of Section 739.124. Used oil collection centers may also accept used oil from household do-it-yourselfers.

"Used oil fuel marketer" means any person who conducts either of the following activities:

Directs a shipment of off-specification used oil from their facility to a used oil burner; or

First claims that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in Section 739.111.

"Used oil generator" means any person, by site, whose act or process produces used oil or whose act first causes used oil to become subject to regulation.

"Used oil processor" means a facility that processes used oil.

"Used oil transfer facility" means any transportation related facility including loading docks, parking areas, storage areas, and other areas where shipments of used oil are held for more than 24 hours during the normal course of transportation and not longer than 35 days. Transfer facilities that store used oil for more than 35 days are subject to regulation under Subpart F of this Part.

"Used oil transporter" means any person who transports used oil, any person who collects used oil from more than one generator and

transports the collected oil, and owners and operators of used oil transfer facilities. Used oil transporters may consolidate or aggregate loads of used oil for purposes of transportation but, with the following exception, may not process used oil. Transporters may conduct incidental processing operations that occur in the normal course of used oil transportation (e.g., settling and water separation), but that are not designed to produce (or make more amenable for production of) used oil derived products or used oil fuel.

SUBPART B: APPLICABILITY

Section 739.110 Applicability

This Section identifies those materials which are subject to regulation as used oil under this Part. This Section also identifies some materials that are not subject to regulation as used oil under this Part, and indicates whether these materials may be subject to regulation as hazardous waste under Parts 702, 703, 720 through 726 and 728.

a) Used oil. USEPA presumes that used oil is to be recycled unless a used oil handler disposes of used oil, or sends used oil for disposal. Except as provided in Section 739.111, the regulations of this Part apply to used oil, and to materials identified in this Section as being subject to regulation as used oil, whether or not the used oil or material exhibits any characteristics of hazardous waste identified in 35 Ill. Adm. Code 721.Subpart C.

b) Mixtures of used oil and hazardous waste.

1) Listed hazardous waste.

A) Mixtures of used oil and hazardous waste that is listed in 35 Ill. Adm. Code 721.Subpart D are subject to regulation as hazardous waste under 35 Ill. Adm. Code 703, 720 through 726 and 728, rather than as used oil under this Part.

B) Rebuttable presumption for used oil. Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D. Persons may rebut this presumption by demonstrating that the used oil does not contain hazardous waste (for example, by using an analytical method from SW-846, Edition III, to show that the used oil does not contain significant concentrations of halogenated hazardous constituents listed in 35 Ill. Adm. Code 721.Appendix H). USEPA Publication SW-846, Third Edition, is available for the cost of $110.00 from the Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, (202) 783-3238 (document number 955-001-00000-1).

i) The rebuttable presumption does not apply to metalworking oils or fluids containing chlorinated paraffins, if they are processed,

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through a tolling arrangement as described in Section 739.124(c), to reclaim metalworking oils or fluids. The presumption does apply to metalworking oils or fluids if such oils or fluids are recycled in any other manner, or disposed.

ii) The rebuttable presumption does not apply to used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units where the CFCs are destined for reclamation. The rebuttable presumption does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

2) Characteristic hazardous waste. Mixtures of used oil and hazardous waste that exhibits a hazardous waste characteristic identified in 35 Ill. Adm. Code 721.Subpart C are subject to:

A) Except as provided in subsection (b)(2)(C) of this Section, regulation as hazardous waste under 35 Ill. Adm. Code 703, 720 through 726 and 728 rather than as used oil under this Part, if the resultant mixture exhibits any characteristics of hazardous waste identified in 35 Ill. Adm. Code 721.Subpart C; or

B) Regulation as used oil under this Part, if the resultant mixture does not exhibit any characteristics of hazardous waste identified under 35 Ill. Adm. Code 721.Subpart C.

C) Regulation as used oil under this Part, if the mixture is of used oil and a waste which is hazardous solely because if exhibits the characteristic of ignitability and is not listed in 35 Ill. Adm. Code 721.Subpart D (e.g., mineral spirits), provided that the mixture does not exhibit the characteristic of ignitability under 35 Ill. Adm. Code 721.121.

3) Conditionally exempt small quantity generator hazardous waste. Mixtures of used oil and conditionally exempt small quantity generator hazardous waste regulated under 35 Ill. Adm. Code 721.105 are subject to regulation as used oil under this Part.

c) Mixtures of used oil with non-hazardous solid wastes. Mixtures of used oil and non-hazardous solid waste are subject to regulation as used oil under this Part.

d) Mixtures of used oil with products.

1) Except as provided in subsection (d)(2) below, mixtures of used oil and fuels or other products are subject to regulation as used oil under this Part.

2) Mixtures of used oil and diesel fuel mixed on-site by the

generator of the used oil for use in the generator's own vehicles are not subject to this Part once the used oil and diesel fuel have been mixed. Prior to mixing, the used oil is subject to the requirements of Subpart C of this Part.

e) Materials derived from used oil.

1) Materials that are reclaimed from used oil that are used beneficially and are not burned for energy recovery or used in a manner constituting disposal (e.g., re-refined lubricants) are:

A) Not used oil and thus are not subject to this Part, and

B) Not solid wastes and are thus not subject to the hazardous waste regulations of Parts 35 Ill. Adm. Code 703, 720 through 726 and 728 as provided in 35 Ill. Adm. Code 721.103(c)(2)(A).

2) Materials produced from used oil that are burned for energy recovery (e.g., used oil fuels) are subject to regulation as used oil under this Part.

3) Except as provided in subsection (e)(4) below, materials derived from used oil that are disposed of or used in a manner constituting disposal are:

A) Not used oil and thus are not subject to this Part, and

B) Are solid wastes and thus are subject to the hazardous waste regulations of 35 Ill. Adm. Code 703, 720 through 726 and 728 if the materials are identified as hazardous waste.

4) Re-refining distillation bottoms that are used as feedstock to manufacture asphalt products are:

A) Not subject to this Part at this time, and

B) Not subject to the hazardous waste regulations of 35 Ill. Adm. Code 703, 720 through 726 and 728 at this time.

f) Wastewater. Wastewater, the discharge of which is subject to regulation under either Section 402 or Section 307(b) of the Clean Water Act (including wastewaters at facilities which have eliminated the discharge of wastewater), contaminated with de minimis quantities of used oil are not subject to the requirements of this Part. For purposes of this subsection, "de minimis" quantities of used oils are defined as small spills, leaks, or drippings from pumps, machinery, pipes, and other similar equipment during normal operations or small amounts of oil lost to the wastewater treatment system during washing or draining operations. This exception will not apply if the used oil is discarded as a result of abnormal manufacturing operations resulting in substantial leaks, spills, or other releases, or to

used oil recovered from wastewaters.

g) Used oil introduced into crude oil or natural gas pipelines. Used oil that is placed directly into a crude oil or natural gas pipeline is subject to the management standards of this Part only prior to the point of introduction to the pipeline. Once the used oil is introduced to the pipeline, the material is exempt from the requirements of this Part.

h) Used oil on vessels. Used oil produced on vessels from normal shipboard operations is not subject to this Part until it is transported ashore.

A) PCB contaminated used oil. PCB-containing used oil regulated 35 Ill. Adm. Code 761 is exempt from regulation under this Part.

B) This Section is adopted to maintain correlation with the Federal regulations.

Section 739.111 Used oil specifications

Used oil burned for energy recovery, and any fuel produced from used oil by processing, blending, or other treatment, is subject to regulation under this Part unless it is shown not to exceed any of the allowable levels of the constituents and properties in the specification shown in Table 1. Once used oil that is to be burned for energy recovery has been shown not to exceed any specification and the person making that showing complies with Sections 739.172, 739.173, and 739.174(b), the used oil is no longer subject to this Part.

Table 1-Used Oil Not exceeding Any Specification Level Is Not Subject to this Part When Burned for Energy Recovery[1]

Constituent/property	Allowable level
Arsenic	5 ppm maximum.
Cadmium	2 ppm maximum.
Chromium	10 ppm maximum.
Lead	100 ppm maximum.
Flash point	100 °F minimum.
Total halogens	4,000 ppm maximum[2].

FOOTNOTE: [1] The specification does not apply to mixtures of used oil and hazardous waste that continue to be regulated as hazardous waste (see Section Section 739.110(b)).

FOOTNOTE: [2] Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under Section 739.110(b)(1). Such used oil is subject to 35 Ill. Adm. Code 726.Subpart H rather than this Part when burned for energy recovery unless the presumption of mixing can be successfully rebutted.

Section 739.112 Prohibitions

a) Surface impoundment prohibition. Used oil shall not be managed in surface impoundments or waste piles unless the units are subject to regulation under 35 Ill. Adm. Code 724 or 725.

b) Use as a dust suppressant. The use of used oil as a dust suppressant is prohibited, except when such activity takes place in one of the states listed in Section 739.182(c).

c) Burning in particular units. Off-specification used oil fuel may be burned for energy recovery in only the following devices:

1) Industrial furnaces identified in 35 Ill. Adm. Code 720.110;

2) Boilers, as defined in 35 Ill. Adm. Code 720.110, that are identified as follows:

A) Industrial boilers located on the site of a facility engaged in a manufacturing process where substances are transformed into new products, including the component parts of products, by mechanical or chemical processes;

B) Utility boilers used to produce electric power, steam, heated or cooled air, or other gases or fluids for sale; or

C) Used oil-fired space heaters provided that the burner meets the provisions of Section 739.123.

SUBPART C: STANDARDS FOR USED OIL GENERATORS

Section 739.120 Applicability

a) General. This subpart applies to all generators of used oil, except:

1) Household "do-it-yourselfer" used oil generators. Household "do-it-yourselfer" used oil generators are not subject to regulation under this Part.

2) Vessels. Vessels at sea or at port are not subject to this Subpart. For purposes of this Subpart, used oil produced on vessels from normal shipboard operations is considered to be generated at the time it is transported ashore. The owner or operator of the vessel and the person(s) removing or accepting used oil from the vessel are co-generators of the used oil and are both responsible for managing the waste in compliance with this Subpart once the used oil is transported ashore. The co-generators may decide among them which party will fulfill the requirements of this Subpart.

3) Diesel fuel. Mixtures of used oil and diesel fuel mixed by the generator of the used oil for use in the generator's own vehicles are not subject to this Part once the used oil and diesel fuel have been mixed. Prior to mixing, the used oil

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fuel is subject to the requirements of this Subpart.

4) Farmers. Farmers who generate an average of 25 gallons per month or less of used oil from vehicles or machinery used on the farm in a calendar year are not subject to the requirements of this Part.

b) Other applicable provisions. Used oil generators who conduct the following activities are subject to the requirements of other applicable provisions of this Part as indicated in subsections (b)(1) through (5) below:

1) Generators who transport used oil, except under the self-transport provisions of Section 739.124 (a) and (b), must also comply with 739.Subpart E.

2) Generators who process or re-refine used oil must also comply with 739.Subpart F.

3) Generators who burn off-specification used oil for energy recovery, except under the on-site space heater provisions of Section 739.123, must also comply with 739.Subpart G.

4) Generators who direct shipments of off-specification used oil from their facility to a used oil burner or first claim that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in Section 739.111 must also comply with 739.Subpart H.

5) Generators who dispose of used oil, including the use of used oil as a dust suppressant, must also comply with 739.Subpart I.

Section 739.121 Hazardous waste mixing

a) Generators shall not mix hazardous waste with used oil except as provided in Section 739.110(b)(2)(B) and (C).

b) The rebuttable presumption for used oil of Section 739.110(b)(1)(B) applies to used oil managed by generators. Under the rebuttable presumption for used oil of Section 739.110(b)(1)(B), used oil containing greater than 1,000 ppm total halogens is presumed to be a hazardous waste and thus must be managed as hazardous waste and not as used oil unless the presumption is rebutted. However, the rebuttable presumption does not apply to certain metalworking oils and fluids and certain used oils removed from refrigeration units.

Section 739.122 Used oil storage

As specified in Section 739.110(f), wastewaters containing "de minimis" quantities of used oil are not subject to the requirements of this Part, including the prohibition on storage in units other than tanks or containers. Used oil generators are subject to all applicable Spill Prevention, Control and Countermeasures (40 CFR 112) in addition to the requirements of this Subpart. Used oil generators are also subject to the Underground Storage Tank (35 Ill. Adm. Code 731) standards for used oil stored in underground tanks whether or not the used oil exhibits any characteristics of hazardous waste,

in addition to the requirements of this subpart.

a) Storage units. Used oil generators shall not store used oil in units other than tanks, containers, or units subject to regulation under 35 Ill. Adm. Code 724 or 725.

b) Condition of units. Containers and aboveground tanks used to store used oil at generator facilities must be:

1) In good condition (no severe rusting, apparent structural defects or deterioration); and

2) Not leaking (no visible leaks).

c) Labels.

1) Containers and aboveground tanks used to store used oil at generator facilities must be labeled or marked clearly with the words "Used Oil."

2) Fill pipes used to transfer used oil into underground storage tanks at generator facilities must be labeled or marked clearly with the words "Used Oil."

d) Response to releases. Upon detection of a release of used oil to the environment not subject to the requirements of Part 280, Subpart F which has occurred after the effective date of the authorized used oil program for the State in which the release is located, a generator must perform the following cleanup steps:

1) Stop the release;

2) Contain the released used oil;

3) Clean up and manage properly the released used oil and other materials; and

4) If necessary to prevent future releases, repair or replace any leaking used oil storage containers or tanks prior to returning them to service.

Section 739.123 On-site burning in space heaters

a) Generators may burn used oil in used oil-fired space heaters provided that:

1) The heater burns only used oil that the owner or operator generates or used oil received from household do-it-yourself used oil generators;

2) The heater is designed to have a maximum capacity of not more than 0.5 million Btu per hour; and

3) The combustion gases from the heater are vented to the ambient air.

b) This Section is adopted to maintain correlation with Federal regulations.

Section 739.124 Off-site shipments

Except as provided in subsections (a) through (c) of this Section, generators must ensure that their used oil is transported only by transporters who have obtained an Illinois special waste identification numbers pursuant to 35 Ill. Adm. Code Part 809.

BOARD NOTE: A generator who qualifies for an exemption under Section 739.124(a) through (c) may still be subject to the State's special waste hauling permit requirements under Part 809.

a) Self-transportation of small amounts to registered collection centers. Generators may transport, without an Illinois special waste identification number, used oil that is generated at the generator's site and used oil collected from household do-it-yourselfers to a used oil collection center provided that:

1) The generator transports the used oil in a vehicle owned by the generator or owned by an employee of the generator;

2) The generator transports no more than 55 gallons of used oil at any time; and

3) The generator transports the used oil to a used oil collection center that has registered by written notification with the Agency to manage used oil. This notification shall include information sufficient for the Agency to identify, locate and communicate with the facility. The notification shall be submitted on forms provided by the Agency.

b) Self-transportation of small amounts to aggregation points owned by the generator. Generators may transport, without an Illinois special waste identification number, used oil that is generated at the generator's site to an aggregation point provided that:

1) The generator transports the used oil in a vehicle owned by the generator or owned by an employee of the generator;

2) The generator transports no more than 55 gallons of used oil at any time; and

3) The generator transports the used oil to an aggregation point that is owned or operated by the same generator.

c) Tolling arrangements. Used oil generators may arrange for used oil to be transported by a transporter without an Illinois special waste identification number if the used oil is reclaimed under a contractual agreement pursuant to which reclaimed oil is returned by the processor to the generator for use as a lubricant, cutting oil, or coolant. The contract (known as a "tolling arrangement") must indicate:

1) The type of used oil and the frequency of shipments;

2) That the vehicle used to transport the used oil to the processing facility and to deliver recycled used oil back to

the generator is owned and operated by the used oil processor; and

3) That reclaimed oil will be returned to the generator.

SUBPART D: STANDARDS FOR USED OIL COLLECTION CENTERS AND AGGREGATION POINTS

Section 739.130 Do-it-yourselfer used oil collection centers

a) Applicability. This Section applies to owners or operators of all do-it-yourselfer (DIY) used oil collection centers. A DIY used oil collection center is any site or facility that accepts or aggregates and stores used oil collected only from household do-it-yourselfers.

b) DIY used oil collection center requirements. Owners or operators of all DIY used oil collection centers must comply with the generator standards in Subpart C of this Part.

Section 739.131 Used oil collection centers

a) Applicability. This Section applies to owners or operators of used oil collection centers. A used oil collection center is any site or facility that accepts, aggregates or stores used oil collected from used oil generators regulated under Subpart C of this Part who bring used oil to the collection center in shipments of no more than 55 gallons under the provisions of Section 739.124(a). Used oil collection centers may also accept used oil from household do-it-yourselfers.

BOARD NOTE: A generator who qualifies for an exemption under Section 739.124 may still be subject to the State's special waste hauling permit requirements under Part 809.

b) Used oil collection center requirements. Owners or operators of all used oil collection centers must:

1) Comply with the generator standards in Subpart C of this Part; and

2) Be registered by the Agency to manage used oil. The used oil collection center shall register by written notification with the Agency to manage used oil. This notification shall include information sufficient for the Agency to identify, locate and communicate with the facility. The notification shall be submitted on forms provided by the Agency.

Section 739.132 Used oil aggregation points owned by the generator

a) Applicability. This Section applies to owners or operators of all used oil aggregation points. A used oil aggregation point is any site or facility that accepts, aggregates, or stores used oil collected only from other used oil generation sites owned or operated by the owner or operator of the aggregation point, from which used oil is transported to the aggregation point in shipments of no more than 55 gallons under the provisions of Section 739.124(b). Used oil aggregation points may also accept

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used oil from household do-it-yourselfers.

BOARD NOTE: A generator who qualifies for an exemption under Section 739.124 may still be subject to the State's special waste hauling permit requirements under Part 809.

b) Used oil aggregation point requirements. Owners or operators of all used oil aggregation points must comply with the generator standards in Subpart C of this Part.

SUBPART E: STANDARDS FOR USED OIL TRANSPORTER AND TRANSFER FACILITIES

Section 739.140 Applicability

a) General. Except as provided in subsections (a)(1) through (a)(4) of this Section, this Subpart applies to all used oil transporters. Used oil transporters are persons who transport used oil, persons who collect used oil from more than one generator and transport the collected oil, and owners and operators of used oil transfer facilities.

1) This Subpart does not apply to on-site transportation.

2) This Subpart does not apply to generators who transport shipments of used oil totalling 55 gallons or less from the generator to a used oil collection center as specified in Section 739.124(a).

3) This Subpart does not apply to generators who transport shipments of used oil totalling 55 gallons or less from the generator to a used oil aggregation point owned or operated by the same generator as specified in Section 739.124(b).

4) This Subpart does not apply to transportation of used oil generated by household do-it-yourselfers from the initial generator to a regulated used oil generator, collection center, aggregation point, processor, or burner subject to the requirements of this Part. Except as provided in subsections (a)(1) through (a)(3) of this Section, this Subpart does, however, apply to transportation of collected household do-it-yourselfer used oil from regulated used oil generators, collection centers, aggregation points, or other facilities where household do-it-yourselfer used oil is collected.

BOARD NOTE: A generator who qualifies for an exemption under Section 739.124 may still be subject to the State's special waste hauling permit requirements under Part 809.

b) Imports and exports. Transporters who import used oil from abroad or export used oil outside of the United States are subject to the requirements of this Subpart from the time the used oil enters and until the time it exits the United States.

c) Trucks used to transport hazardous waste. Unless trucks previously used to transport hazardous waste are emptied as described in 35 Ill. Adm. Code 721.107 prior to transporting used

oil, the used oil is considered to have been mixed with the hazardous waste and must be managed as hazardous waste unless, under the provisions of Section 739.110(b), the hazardous waste and used oil mixture is determined not to be hazardous waste.

d) Other applicable provisions. Used oil transporters who conduct the following activities are also subject to other applicable provisions of this Part as indicated in subsections (d)(1) through (5) of this Section:

1) Transporters who generate used oil must also comply with Subpart C of this Part;

2) Transporters who process or re-refine used oil, except as provided in Section 739.141, must also comply with Subpart F of this Part;

3) Transporters who burn off-specification used oil for energy recovery must also comply with Subpart G of this Part;

4) Transporters who direct shipments of off-specification used oil from their facility to a used oil burner or first claim that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in Section 739.111 must also comply with Subpart H of this part; and

5) Transporters who dispose of used oil, including the use of used oil as a dust suppressant, must also comply with Subpart I of this Part.

Section 739.141 Restrictions on transporters who are not also processors

a) Used oil transporters may consolidate or aggregate loads of used oil for purposes of transportation. However, except as provided in subsection (b) of this Section, used oil transporters may not process used oil unless they also comply with the requirements for processors in Subpart F of this Part.

b) Transporters may conduct incidental processing operations that occur in the normal course of used oil transportation (e.g., settling and water separation), but that are not designed to produce (or make more amenable for production of) used oil derived products unless they also comply with the processor requirements in Subpart F of this Part.

Section 739.142 Notification

a) Identification numbers. Used oil transporters who have not previously complied with the notification requirements of RCRA Section 3010 must comply with these requirements and obtain an Illinois special waste identification number.

b) Mechanics of notification. A used oil transporter who has not received an Illinois special waste identification number may obtain one pursuant to 35 Ill. Adm. Code Part 809.

Section 739.143 Used oil transportation

a) Deliveries. A used oil transporter must deliver all used oil received to:

1) Another used oil transporter, provided that the transporter has obtained an Illinois special waste identification number;

2) A used oil processing facility who has obtained an Illinois special waste identification number;

3) An off-specification used oil burner facility who has obtained an Illinois special waste identification number; or

4) An on-specification used oil burner facility.

b) Shipping. Used oil transporters must comply with all applicable packaging, labeling, and placarding requirements of the U.S. Department of Transportation under 49 CFR parts 173, 178 and 179. Used oil that meets the definition of combustible liquid (flash point below 200 °F but at or greater than 100 °F) or flammable liquid (flash point below 100 °F) is subject to Department of Transportation Hazardous Materials Regulations at 49 CFR Parts 100 through 177.

c) Used oil discharges.

1) In the event of a discharge of used oil during transportation, the transporter must take appropriate immediate action to protect human health and the environment (e.g., notify local authorities, dike the discharge area).

2) If a discharge of used oil occurs during transportation and an official (State or local government or a Federal Agency) acting within the scope of official responsibilities determines that immediate removal of the used oil is necessary to protect human health or the environment, that official may authorize the removal of the used oil by transporters who do not have Illinois special waste identification numbers.

3) An air, rail, highway, or water transporter who has discharged used oil must:

A) Give notice, if required by 49 CFR 171.15 to the National Response Center (800-424-8802 or 202-426-2675); and

B) Report in writing as required by 49 CFR 171.16 to the Director, Office of Hazardous Materials Regulations, Materials Transportation Bureau, Department of Transportation, Washington, DC 20590.

4) A water transporter who has discharged used oil must give notice as required by 33 CFR 153.203.

5) A transporter must clean up any used oil discharged that occurs during transportation or take such action as may be required or approved by federal, state, or local officials

so that the used oil discharge no longer presents a hazard to human health or the environment.

Section 739.144 Rebuttable presumption for used oil

a) To ensure that used oil is not a hazardous waste under the rebuttable presumption of Section 739.110(b)(1)(ii), the used oil transporter must determine whether the total halogen content of used oil being transporter or stored at a transfer facility is above or below 1,000 ppm.

b) The transporter must make this determination by:

1) Testing the used oil; or

2) Applying knowledge of the halogen content of the used oil in light of the materials or processes used.

c) If the used oil contains greater than or equal to 1,000 ppm total halogens, it is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D. The owner or operator may rebut the presumption by demonstrating that the used oil does not contain hazardous waste (for example, by using an analytical method from SW-846, Edition III, to show that the used oil does not contain significant concentrations of halogenated hazardous constituents listed in 35 Ill. Adm. Code 721.Appendix H). EPA Publication SW-846, Third Edition, is available for the cost of $110.00 from the Government Printing Office, Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954. (202) 783-3238 (document number 955-001-00000-1).

1) The rebuttable presumption does not apply to metalworking oils and fluids containing chlorinated paraffins, if they are processed, through a tolling arrangement as described in Section 739.124(c), to reclaim metalworking oils and fluids. The presumption does apply to metalworking oils and fluids if such oils and fluids are recycled in any other manner, or disposed.

2) The rebuttable presumption does not apply to used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units if the CFC are destined for reclamation. The rebuttable presumption does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

d) Record retention. Records of analyses conducted or information used to comply with subsections (a), (b), and (c) of this Section must be maintained by the transporter for at least 3 years.

Section 739.145 Used oil storage at transfer facilities

As specified in Section 739.110(f), wastewaters containing "de minimis" quantities of used oil are not subject to the requirements of this Part, including the prohibition on storage in units other than tanks or containers. Used oil transporters are subject to all applicable Spill Prevention, Control and Countermeasures (40 CFR 112) in addition to the requirements of this

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Subpart. Used oil generators are also subject to the Underground Storage Tank (35 Ill. Adm. Code 731) standards for used oil stored in underground tanks whether or not the used oil exhibits any characteristics of hazardous waste, in addition to the requirements of this Subpart.

a) Applicability. This Section applies to used oil transfer facilities. Used oil transfer facilities are transportation related facilities including loading docks, parking areas, storage areas, and other areas where shipments of used oil are held for more than 24 hours during the normal course of transportation and not longer than 35 days. Transfer facilities that store used oil for more than 35 days are subject to regulation under Subpart F.

b) Storage units. Owners or operators of used oil transfer facilities may not store used oil in units other than tanks, containers, or units subject to regulation under 35 Ill. Adm. Code 724 or 725.

c) Condition of units. Containers and aboveground tanks used to store used oil at transfer facilities must be:

1) In good condition (no severe rusting, apparent structural defects or deterioration); and

2) Not leaking (no visible leaks).

d) Secondary containment for containers. Containers used to store used oil at transfer facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dikes, berms, or retaining walls.

2) The entire containment system, including walls and floors, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

e) Secondary containment for existing aboveground tanks. Existing aboveground tanks used to store used oil at transfer facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall except areas where existing portions of the tank meet the ground; or

C) An equivalent secondary containment system.

2) The entire containment system, including walls and floors, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

f) Secondary containment for new aboveground tanks. New aboveground tanks used to store used oil at transfer facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall; or

C) An equivalent secondary containment system.

2) The entire containment system, including walls and floors, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

g) Labels.

1) Containers and aboveground tanks used to store used oil at transfer facilities must be labeled or marked clearly with the words "Used Oil."

2) Fill pipes used to transfer used oil into underground storage tanks at transfer facilities must be labeled or marked clearly with the words "Used Oil."

h) Response to releases. Upon detection of a release of used oil to the environment not subject to the requirements of 35 Ill. Adm. Code 731.Subpart F which has occurred after the effective date of the authorized used oil program for the State in which the release is located, a owner or operator of a transfer facility must perform the following cleanup steps:

1) Stop the release;

2) Contain the released used oil;

3) Clean up and manage properly the released used oil and other materials; and

4) If necessary to prevent future releases, repair or replace any leaking used oil storage containers or tanks prior to returning them to service.

Section 739.146 Tracking

a) Acceptance. Used oil transporters must keep a record of each used oil shipment accepted for transport. Records for each shipment

must include:

1) The name and address of the generator, transporter, or processor who provided the used oil for transport;

2) The Illinois special waste identification number (if applicable) of the generator, transporter, or processor who provided the used oil for transport;

3) The quantity of used oil accepted;

4) The date of acceptance; and

5) The signature, dated upon receipt of the used oil, of a representative of the generator, transporter, or processor who provided the used oil for transport.

b) Deliveries. Used oil transporters must keep a record of each shipment of used oil that is delivered to another used oil transporter, or to a used oil burner, processor, or disposal facility. Records of each delivery must include:

1) The name and address of the receiving facility or transporter;

2) The Illinois special waste identification number of the receiving facility or transporter;

3) The quantity of used oil delivered;

4) The date of delivery;

5) The signature, dated upon receipt of the used oil, of a representative of the receiving facility or transporter.

c) Exports of used oil. Used oil transporters must maintain the records described in subsections (b)(1) through (b)(4) of this Section for each shipment of used oil exported to any foreign country.

d) Record retention. The records described in subsections (a), (b), and (c) of this Section must be maintained for at least three years.

Section 739.147 Management of residues

Transporters who generate residues from the storage or transport of used oil must manage the residues as specified in Section 739.110(e).

SUBPART F: STANDARDS FOR USED OIL PROCESSORS

Section 739.150 Applicability

a) The requirements of this Subpart apply to owners and operators of facilities that process used oil. Processing means chemical or physical operations designed to produce from used oil, or to make used oil more amenable for production of, fuel oils, lubricants, or other used oil-derived products. Processing includes, but is

not limited to: blending used oil with virgin petroleum products, blending used oils to meet the fuel specification, filtration, simple distillation, chemical or physical separation and re-refining. The requirements of this Subpart do not apply to:

1) Transporters that conduct incidental processing operations that occur during the normal course of transportation as provided in Section 739.141; or

2) Burners that conduct incidental processing operations that occur during the normal course of used oil management prior to burning as provided in Section 739.161(b).

b) Other applicable provisions. Used oil processors who conduct the following activities are also subject to the requirements of other applicable provisions of this Part as indicated in subsections (b)(1) through (b)(5) of this Section.

1) Processors who generate used oil must also comply with Subpart C of this Part;

2) Processors who transport used oil must also comply with Subpart E of this Part;

3) Except as provided in subsections (b)(3)(A) and (b)(3)(B) of this Section, processors who burn off-specification used oil for energy recovery must also comply with Subpart G of this Part. Processors burning used oil for energy recovery under the following conditions are not subject to Subpart G of this Part:

A) The used oil is burned in an on-site space heater that meets the requirements of Section 739.123; or

B) The used oil is burned for purposes of processing used oil, which is considered burning incidentally to used oil processing;

4) Processors who direct shipments of off-specification used oil from their facility to a used oil burner or first claim that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in Section 739.111 must also comply with Subpart H of this Part; and

5) Processors who dispose of used oil, including the use of used oil as a dust suppressant, also must comply with Subpart I of this Part.

Section 739.151 Notification

a) Identification numbers. Used oil processors and re-refiners who have not previously complied with the notification requirements of RCRA Section 3010 must comply with these requirements and obtain an Illinois special waste identification number.

b) Mechanics of notification. A used oil processor or re-refiner who has not received an Illinois special waste identification number may obtain one pursuant to 35 Ill. Adm. Code Part 809.

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1) A completed EPA Form 8700-12 (To obtain EPA Form 8700-12 call RCRA/Superfund Hotline at 1-800-424-9346 or 703-920-9810); or

2) A letter requesting an EPA identififcation number. Call RCRA/Superfund Hotline to determine where to send a letter requesting an EPA identification number. The letter should include the following information:

A) Processor or re-refiner company name;

B) Owner of the processor or re-refiner company;

C) Mailing address for the processor or re-refiner;

D) Name and telephone number for the processor or re-refiner point of contact;

E) Type of used oil activity (i.e., process only, process and re-refine);

F) Location of the processor or re-refiner facility.

Section 739.152 General facility standards

a) Preparedness and prevention. Owners and operators of used oil processors and re-refiners facilities must comply with the following requirements:

1) Maintenance and operation of facility. Facilities must be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of used oil to air, soil, or surface water which could threaten human health or the environment.

2) Required equipment. All facilities must be equipped with the following, unless none of the hazards posed by used oil handled at the facility could require a particular kind of equipment specified in subsections (a)(2)(A) through (a)(2)(D) of this Section:

A) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel;

B) A device, such as a telephone (immediately available at the scene of operations) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams;

C) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment and decontamination equipment; and

D) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or

automatic sprinklers, or water spray systems.

3) Testing and maintenance of equipment. All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, where required, must be tested and maintained as necessary to assure its proper operation in time of emergency.

4) Access to communications or alarm system.

A) Whenever used oil is being poured, mixed, spread, or otherwise handled, all personnel involved in the operation must have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee, unless such a device is not required in subsection (a)(2) of this Section.

B) If there is ever just one employee on the premises while the facility is operating, the employee must have immediate access to a device, such as a telephone (immediately available at the scene of operation) or a hand-held two-way radio, capable of summoning external emergency assistance, unless such a device is not required in subsection (a)(2) of this Section.

5) Required aisle space. The owner or operator must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.

6) Arrangements with local authorities.

A) The owner or operator must attempt to make the following arrangements, as appropriate for the type of used oil handled at the facility and the potential need for the services of these organizations:

i) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of used oil handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes;

ii) Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority;

iii) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and

iv) Arrangements to familiarize local hospitals with the properties of used oil handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

B) Where State or local authorities decline to enter into such arrangements, the owner or operator must document the refusal in the operating record.

b) Contingency plan and emergency procedures. Owners and operators of used oil processors and re-refiners facilities must comply with the following requirements:

1) Purpose and implementation of contingency plan.

A) Each owner or operator must have a contingency plan for the facility. The contingency plan must be designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of used oil to air, soil, or surface water.

B) The provisions of the plan must be carried out immediately whenever there is a fire, explosion, or release or used oil which could threaten human health or the environment.

2) Content of contingency plan.

A) The contingency plan must describe the actions facility personnel must take to comply with subsections (b)(1) and (b)(6) of this Section in response to fires, explosions, or any unplanned sudden or non-sudden release of used oil to air, soil, or surface water at the facility.

B) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) Plan in accordance with 40 CFR 112, or 40 CFR 1510, or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate used oil management provisions that are sufficient to comply with the requirements of this Part.

C) The plan must describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services, pursuant to subsection (a)(6) of this Section.

D) The plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see subsection (b)(5) of this Section), and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator and others must be listed in the order in which they will assume

responsibility as alternates.

E) The plan must include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list must be kept up to date. In addition, the plan must include the location and a physical description of each item on the list, and a brief outline of its capabilities.

F) The plan must include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of used oil or fires).

3) Copies of contingency plan. A copy of the contingency plan and all revisions to the plan must be:

A) Maintained at the facility; and

B) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

4) Amendment of contingency plan. The contingency plan must be reviewed, and immediately amended, if necessary, whenever:

A) Applicable regulations are revised;

B) The plan fails in an emergency;

C) The facility changes-in its design, construction, operation, maintenance, or other circumstances-in a way that materially increases the potential for fires, explosions, or releases of used oil, or changes the response necessary in an emergency;

D) The list of emergency coordinators changes; or

E) The list of emergency equipment changes.

5) Emergency coordinator. At all times, there must be at least one employee either on the facility premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures. This emergency coordinator must be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, the location and characteristic of used oil handled, the location of all records within the facility, and facility layout. In addition, this person must have the authority to

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commit the resources needed to carry out the contingency plan.

BOARD NOTE: USEPA cited the following as guidance: The emergency coordinator's responsibilities are more fully spelled out in subsection (b)(6) below. Applicable responsibilities for the emergency coordinator vary, depending on factors such as type and variety of used oil handled by the facility, and type and complexity of the facility.

6) Emergency procedures.

A) Whenever there is an imminent or actual emergency situation, the emergency coordinator (or the designee when the emergency coordinator is on call) must immediately:

i) Activate internal facility alarms or communication systems, where applicable, to notify all facility personnel; and

ii) Notify appropriate State or local agencies with designated response roles if their help is needed.

B) Whenever there is a release, fire, or explosion, the emergency coordinator must immediately identify the character, exact source, amount, and a real extent of any released materials. He may do this by observation or review of facility records of manifests and, if necessary, by chemical analysts.

C) Concurrently, the emergency coordinator must assess possible hazards to human health or the environment that may result from the release, fire, or explosion. This assessment must consider both direct and indirect effects of the release, fire, or explosion (e.g., the effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-offs from water of chemical agents used to control fire and heat-induced explosions).

D) If the emergency coordinator determines that the facility has had a release, fire, or explosion which could threaten human health, or the environment, outside the facility, he must report his findings as follows:

i) If his assessment indicated that evacuation of local areas may be advisable, he must immediately notify appropriate local authorities. He must be available to help appropriate officials decide whether local areas should be evacuated; and

ii) He must immediately notify either the government

official designated as the on-scene coordinator for the geographical area (in the applicable regional contingency plan under 40 CFR 1510), or the National Response Center (using their 24-hour toll free number (800) 424-8802). The report must include: Name and telephone number of reporter; Name and address of facility; Time and type of incident (e.g., release, fire); Name and quantity of material(s) involved, to the extent known; The extent of injuries, if any; and The possible hazards to human health, or the environment, outside the facility.

E) During an emergency, the emergency coordinator must take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other used oil or hazardous waste at the facility. These measures must include, where applicable, stopping processes and operation, collecting and containing released used oil, and removing or isolating containers.

F) If the facility stops operation in response to a fire, explosion, or release, the emergency coordinator must monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

G) Immediately after an emergency, the emergency coordinator must provide for recycling, storing, or disposing of recovered used oil, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at the facility.

H) The emergency coordinator must ensure that, in the affected area(s) of the facility: No waste or used oil that may be incompatible with the released material is recycled, treated, stored, or disposed of until cleanup procedures are completed; and all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed. The owner or operator must notify the Regional Administrator, and appropriate State and local authorities that the facility is in compliance with subsection (h) of this Section before operations are resumed in the affected area(s) of the facility.

I) The owner or operator must note in the operating record the time, date and details of any incident that requires implementing the contingency plan. Within 15 days after the incident, he must submit a written report on the incident to the Regional Administrator. The report must include: Name, address, and telephone number of the owner or operator; Name, address, and telephone number of the facility; Date, time, and type of incident (e.g., fire, explosion); Name and quantity of material(s) involved; The extent of injuries, if any; An assessment of actual or potential hazards to

human health or the environment, where this is applicable; Estimated quantity and disposition of recovered material that resulted from the incident.

Section 739.153 Rebuttable presumption for used oil

a) To ensure that used oil is not a hazardous waste under the rebuttable presumption of Section 739.110(b)(1)(ii), the owner or operator of a used oil processing facility must determine whether the total halogen content of used oil managed at the facility is above or below 1,000 ppm.

b) The owner or operator must make this determination by:

1) Testing the used oil; or

2) Applying knowledge of the halogen content of the used oil in light of the materials or processes used.

c) If the used oil contains greater than or equal to 1,000 ppm total halogens, it is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D. The owner or operator may rebut the presumption by demonstrating that the used oil does not contain hazardous waste (for example, by using an analytical method from SW-846, Edition III, to show that the used oil does not contain significant concentrations of halogenated hazardous constituents listed in 35 Ill. Adm. Code 721.Appendix H). EPA Publication SW-846, Third Edition, is available for the cost of $110.00 from the Government Printing Office, Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954. (202) 783-3238 (document number 955-001-00000-1).

1) The rebuttable presumption does not apply to metalworking oils and fluids containing chlorinated paraffins, if they are processed, through a tolling arrangement as described in Section 739.124(c), to reclaim metalworking oils and fluids. The presumption does apply to metalworking oils and fluids if such oils and fluids are recycled in any other manner, or disposed.

2) The rebuttable presumption does not apply to used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units if the CFC are destined for reclamation. The rebuttable presumption does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

Section 739.154 Used oil management

As specified in Section 739.110(f), wastewaters containing "de minimis" quantities of used oil are not subject to the requirements of this Part, including the prohibition on storage in units other than tanks or containers. Used oil processors are subject to all applicable Spill Prevention, Control and Countermeasures (40 CFR 112) in addition to the requirements of this Subpart. Used oil generators are also subject to the Underground Storage Tank (35 Ill. Adm. Code 731) standards for used oil stored in underground tanks whether or not the used oil exhibits any characteristics of hazardous waste,

in addition to the requirements of this Subpart.

a) Management units. Used oil processors shall not store or process used oil in units other than tanks, containers, or units subject to regulation under 35 Ill. Adm. Code 724 or 725.

b) Condition of units. Containers and aboveground tanks used to store or process used oil at processing facilities must be:

1) In good condition (no severe rusting, apparent structural defects or deterioration); and

2) Not leaking (no visible leaks).

c) Secondary containment for containers. Containers used to store or process used oil at processing and re-refining facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall.

2) The entire containment system, including walls and floor, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

d) Secondary containment for existing aboveground tanks. Existing aboveground tanks used to store or process used oil at processing and re-refining facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall except areas where existing portions of the tank meet the ground; or

C) An equivalent secondary containment system.

2) The entire containment system, including walls and floor, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

e) Secondary containment for new aboveground tanks. New aboveground tanks used to store or process used oil at processing and re-refining facilities must be equipped with a secondary containment system.

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1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall; or

C) An equivalent secondary containment system.

2) The entire containment system, including walls and floor, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

f) Labels.

1) Containers and aboveground tanks used to store used oil at processing facilities must be labeled or marked clearly with the words "Used Oil."

2) Fill pipes used to transfer used oil into underground storage tanks at processing facilities must be labeled or marked clearly with the words "Used Oil."

g) Response to releases. Upon detection of a release of used oil to the environment not subject to the requirements of 35 Ill. Adm. Code 731.Subpart F which has occurred after the effective date of the authorized used oil program for the State in which the release is located, a processor must perform the following cleanup steps:

1) Stop the release;

2) Contain the released used oil;

3) Clean up and manage properly the released used oil and other materials; and

4) If necessary to prevent future releases, repair or replace any leaking used oil storage containers or tanks prior to returning them to service.

h) Closure.

1) Aboveground tanks. Owners and operators who store or process used oil in aboveground tanks must comply with the following requirements:

A) At closure of a tank system, the owner or operator must remove or decontaminate used oil residues in tanks, contaminated containment system components, contaminated soils, and structures and equipment contaminated with used oil, and manage them as hazardous waste, unless the materials are not hazardous waste under this chapter.

B) If the owner or operator demonstrates that not all

contaminated soils can be practicably removed or decontaminated as required in subsection (h)(1)(A) above, then the owner or operator must close the tank system and perform post-closure care in accordance with the closure and post-closure care requirements that apply to hazardous waste landfills (35 Ill. Adm. Code 725.410).

2) Containers. Owners and operators who store used oil in containers must comply with the following requirements:

A) At closure, containers holding used oils or residues of used oil must be removed from the site;

B) The owner or operator must remove or decontaminate used oil residues, contaminated containment system components, contaminated soils, and structures and equipment contaminated with used oil, and manage them as hazardous waste, unless the materials are not hazardous waste 35 Ill. Adm. Code 721.

Section 739.155 Analysis plan

Owners or operators of used oil processing and re-refining facilities must develop and follow a written analysis plan describing the procedures that will be used to comply with the analysis requirements of Section 739.153 and, if applicable, Section 739.172. The owner or operator must keep the plan at the facility.

a) Rebuttable presumption for used oil in Section 739.153. At minimum, the plan must specify the following:

1) Whether sample analyses or knowledge of the halogen content of the used oil will be used to make this determination.

2) If sample analyses are used to make this determination:

A) The sampling method used to obtain representative samples to be analyzed. A representative sample may be obtained using either:

i) One of the sampling methods in 35 Ill. Adm. Code 721.Appendix I; or

ii) A method shown to be equivalent under 35 Ill. Adm. Code 720.120 and 720.121;

B) The frequency of sampling to be performed, and whether the analysis will be performed on-site or off-site; and

C) The methods used to analyze used oil for the parameters specified in Section 739.153; and

3) The type of information that will be used to determine the halogen content of the used oil.

b) On-specification used oil fuel in Section 739.172. At a minimum,

the plan must specify the following if Section 739.172 is applicable:

1) Whether sample analyses or other information will be used to make this determination;

2) If sample analyses are used to make this determination:

A) The sampling method used to obtain representative samples to be analyzed. A representative sample may be obtained using either:

i) One of the sampling methods in 35 Ill. Adm. Code 721.Appendix I; or

ii) A method shown to be equivalent under 35 Ill. Adm. Code 720.120 and 720.121;

B) Whether used oil will be sampled and analyzed prior to or after any processing;

C) The frequency of sampling to be performed, and whether the analysis will be performed on-site or off-site; and

D) The methods used to analyze used oil for the parameters specified in Section 739.172; and

3) The type of information that will be used to make the on-specification used oil fuel determination.

Section 739.156 Tracking

a) Acceptance. Used oil processors must keep a record of each used oil shipment accepted for processing. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. Records for each shipment must include the following information:

1) The name and address of the transporter who delivered the used oil to the processor;

2) The name and address of the generator or processor from whom the used oil was sent for processing;

3) The Illinois special waste identification number of the transporter who delivered the used oil to the processor;

4) The Illinois special waste identification number (if applicable) of the generator or processor from whom the used oil was sent for processing;

5) The quantity of used oil accepted; and

6) The date of acceptance.

b) Deliveries. Used oil processors must keep a record of each shipment of used oil that is delivered to another used oil burner,

processor, or disposal facility. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. Records of each delivery must include the following information:

1) The name and address of the transporter who delivers the used oil to the burner, processor or disposal facility;

2) The name and address of the burner, processor or disposal facility who will receive the used oil;

3) The Illinois special waste identification number of the transporter who delivers the used oil to the burner, processor or disposal facility;

4) The Illinois special waste identification number of the burner, processor, or disposal facility who will receive the used oil;

5) The quantity of used oil shipped;

6) The date of shipment.

c) Record retention. The records described in subsections (a) and (b) above must be maintained for at least three years.

Section 739.157 Operating record and reporting

a) Operating record.

1) The owner or operator must keep a written operating record at the facility.

2) The following information must be recorded, as it becomes available, and maintained in the operating record until closure of the facility;

A) Records and results of used oil analyses performed as described in the analysis plan required under Section 739.155; and

B) Summary reports and details of all incidents that require implementation of the contingency plan an specified in Section 739.152(b).

b) Reporting. A used oil processor must report to the Regional Administrator, in the form of a letter, on a biennial basis (by March 1 of each even numbered year), the following information concerning used oil activities during the previous calendar year;

1) The Illinois special waste identification number, name, and address of the processor;

2) The calendar year covered by the report; and

3) The quantities of used oil accepted for processing and the manner in which the used oil is processed, including the specific processes employed.

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Section 739.158 Off-site shipments of used oil

Used oil processors who initiate shipments of used oil off-site must ship the used oil using a used oil transporter who has obtained an Illinois special waste identification number.

Section 739.159 Management of residues

Owners and operators who generate residues from the storage, processing, or re-fining of used oil must manage the residues as specified in Section 739.110(e).

SUBPART G: STANDARDS FOR USED OIL BURNERS WHO BURN OFF-SPECIFICATION USED OIL FOR ENERGY RECOVERY

Section 739.160 Applicability

a) General. The requirements of this Subpart apply to used oil burners except as specified in subsections (a)(1) and (a)2) of this Section. A used oil burner is a facility where used oil not meeting the specification requirements in Section 739.111 is burned for energy recovery in devices identified in Section 739.161(a). Facilities burning used oil for energy recovery under the following conditions are not subject to this Subpart:

1) The used oil is burned by the generator in an on-site space heater under the provisions of Section 739.123; or

2) The used oil is burned by a processor for purposes of processing used oil, which is considered burning incidentally to used oil processing.

b) Other applicable provisions. Used oil burners who conduct the following activities are also subject to the requirements of other applicable provisions of this Part as indicated below.

1) Burners who generate used oil must also comply this Subpart C of this Part;

2) Burners who transport used oil must also comply with Subpart E of this Part;

3) Except as provided in Section 739.161(b), burners who process or re-refine used oil must also comply with Subpart F of this Part;

4) Burners who direct shipments of off-specification used oil from their facility to a used oil burner or first claim that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in Section 739.111 must also comply with Subpart H of this Part; and

5) Burners who dispose of used oil, including the use of used oil as a dust suppressant, must comply with Subpart I of this Part.

c) Specification fuel. This Subpart does not apply to persons

burning used oil that meets the used oil fuel specification of Section 739.111, provided that the burner complies with the requirements of Subpart H of this Part.

Section 739.161 Restriction on burning

a) Off-specification used oil fuel may be burned for energy recovery in only the following devices:

1) Industrial furnaces identified in 35 Ill. Adm. Code 720.110;

2) Boilers, as defined in 35 Ill. Adm. Code 720.110, that are identified as follows:

A) Industrial boilers located on the site of a facility engaged in a manufacturing process where substances are transformed into new products, including the component parts of products, by mechanical or chemical processes;

B) Utility boilers used to produce electric power, steam, heated or cooled air, or other gases or fluids for sale; or

C) Used oil-fired space heaters provided that the burner meets the provisions of Section 739.123; or

3) Hazardous waste incinerators subject to regulation under 35 Ill. Adm. Code 724.Subpart O or 35 Ill. Adm. Code 725.Subpart O.

b)

1) With the following exception, used oil burners may not process used oil unless they also comply with the requirements of Subpart F of this Part.

2) Used oil burners may aggregate off-specification used oil with virgin oil or on-specification used oil for purposes of burning, but may not aggregate for purposes of producing on-specification used oil.

Section 739.162 Notification

a) Identification numbers. Used oil burners who have not previously complied with the notification requirements of RCRA Section 3010 must comply with these requirements and obtain an Illinois special waste identification number.

b) Mechanics of notification. A used oil burner who has not received an EPA identification number may obtain one by notifying the Regional Administrator of their used oil activity by submitting either:

1) A completed EPA Form 8700-12 (To obtain EPA Form 8700-12 call RCRA/Superfund Hotline at 1-800-424-9346 or 703-920-9810); or

2) A letter requesting an EPA identification number. Call the RCRA/Superfund Hotline to determine where to send a letter requesting an EPA identification number. The letter should include the following information:

A) Burner company name;

B) Owner of the burner company;

C) Mailing address for the burner;

D) Name and telephone number for the burner point of contact;

E) Type of used oil activity; and

F) Location of the burner facility.

Section 739.163 Rebuttable presumption for used oil

a) To ensure that used oil managed at a used oil burner facility is not hazardous waste under the rebuttable presumption of Section 739.110(b)(1)(ii), a used oil burner must determine whether the total halogen content of used oil managed at the facility is above or below 1,000 ppm.

b) The used oil burner must determine if the used oil contains above or below 1,000 ppm total halogens by:

1) Testing the used oil;

2) Applying knowledge of the halogen content of the used oil in light of the materials or processes used; or

3) If the used oil has been received from a processor subject to regulation under Subpart F of this Part, using information provided by the processor.

c) If the used oil contains greater than or equal to 1,000 ppm total halogens, it is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D. The owner or operator may rebut the presumption by demonstrating that the used oil does not contain hazardous waste (for example, by using an analytical method from SW-846, Edition III, to show that the used oil does not contain significant concentrations of halogenated hazardous constituents listed in 35 Ill. Adm. Code 721.Appendix H). EPA Publication SW-846, Third Edition, is available for the cost of $110.00 from the Government Printing Office, Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954. 202-783-3238 (document number 955-001-00000-1).

1) The rebuttable presumption does not apply to metalworking oils or fluids containing chlorinated paraffins, if they are processed, through a tolling arrangement as described in Section 739.124(c), to reclaim metalworking oils or fluids. The presumption does apply to metalworking oils or fluids if such oils and fluids are recycled in any other manner, or

disposed.

2) The rebuttable presumption does not apply to used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units where the CFCs are destined for reclamation. The rebuttable presumption does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

d) Record retention. Records of analyses conducted or information used to comply with subsections (a), (b), and (c) above must be maintained by the burner for at least 3 years.

Section 739.164 Used oil storage

As specified in Section 739.110(f), wastewaters containing "de minimis" quantities of used oil are not subject to the requirements of this Part, including the prohibition on storage in units other than tanks or containers. Used oil burners are subject to all applicable Spill Prevention, Control and Countermeasures (40 CFR 112) in addition to the requirements of this Subpart. Used oil generators are also subject to the Underground Storage Tank (35 Ill. Adm. Code 731) standards for used oil stored in underground tanks whether or not the used oil exhibits any characteristics of hazardous waste, in addition to the requirements of this Subpart.

a) Storage units. Used oil burners may not store used oil in units other than tanks, containers, or units subject to regulation under 35 Ill. Adm. Code 724 or 725.

b) Condition of units. Containers and aboveground tanks used to store oil at burner facilities must be:

1) In good condition (no severe rusting, apparent structural defects or deterioration); and

2) Not leaking (no visible leaks).

c) Secondary containment for containers. Containers used to store used oil at burner facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall.

2) The entire containment system, including walls and floor, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

d) Secondary containment for existing aboveground tanks. Existing aboveground tanks used to store used oil at burner facilities must be equipped with a secondary containment system.

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1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall except areas where existing portions of the tank meet the ground; or

C) An equivalent secondary containment system.

2) The entire containment system, including walls and floor, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

e) Secondary containment for existing aboveground tanks. New aboveground tanks used to store used oil at burner facilities must be equipped with a secondary containment system.

1) The secondary containment system must consist of, at a minimum:

A) Dikes, berms or retaining walls; and

B) A floor. The floor must cover the entire area within the dike, berm, or retaining wall; or

C) An equivalent secondary containment system.

2) The entire containment system, including walls and floor, must be sufficiently impervious to used oil to prevent any used oil released into the containment system from migrating out of the system to the soil, groundwater, or surface water.

f) Labels.

1) Containers and aboveground tanks used to store used oil at burner facilities must be labeled or marked clearly with the words "Used Oil."

2) Fill pipes used to transfer used oil into underground storage tanks at burner facilities must be labeled or marked clearly with the words "Used Oil."

g) Response to releases. Upon detection of a release of used oil to the environment not subject to the requirements of 35 Ill. Adm. Code 731.Subpart F which has occurred after the effective date of the authorized used oil program for the State in which the release is located, a burner must perform the following cleanup steps:

1) Stop the release;

2) Contain the released used oil;

3) Clean up and manage properly the released used oil and other

materials; and

4) If necessary, repair or replace any leaking used oil storage containers or tanks prior to returning them to service.

Section 739.165 Tracking

a) Acceptance. Used oil burners must keep a record of each used oil shipment accepted for burning. These records may take the form of a log, invoice, manifest, bill of lading, or other shipping documents. Records for each shipment must include the following information:

1) The name and address of the transporter who delivered the used oil to the burner;

2) The name and address of the generator or processor from whom the used oil was sent to the burner;

3) The Illinois special waste identification number of the transporter who delivered the used oil to the burner;

4) The Illinois special waste identification number (if applicable) of the generator or processor from whom the used oil was sent to the burner;

5) The quantity of used oil accepted; and

6) The date of acceptance.

b) Record retention. The records described in subsection (a) of this Section must be maintained for at least three years.

Section 739.166 Notices

a) Certification. Before a burner accepts the first shipment of off-specification used oil fuel from a generator, transporter, or processor, the burner must provide to the generator, transporter, or processor a one-time written and signed notice certifying that:

1) The burner has notified EPA stating the location and general description of his used oil management activities; and

2) The burner will burn the used oil only in an industrial furnace or boiler identified in Section 739.161(a).

b) Certification retention. The certification described in subsection (a) of this Section must be maintained for three years from the date the burner last receives shipment of off-specification used oil from that generator, transporter, or processor.

Section 739.167 Management of residues

Burners who generate residues from the storage or burning of used oil must manage the residues as specified in Section 739.110(e).

Subpart H: STANDARDS FOR USED OIL FUEL MARKETERS

Section 739.170 Applicability

a) Any person who conducts either of the following activities is subject to the requirements of this Section:

1) Directs a shipment of off-specification used oil from their facility to a used oil burner; or

2) First claims that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in Section 739.111.

b) The following persons are not marketers subject to this Subpart:

1) Used oil generators, and transporters who transport used oil received only from generators, unless the generator or transporter directs a shipment of off-specification used oil from their facility to a used oil burner. However, processors who burn some used oil fuel for purposes of processing are considered to be burning incidentally to processing. Thus, generators and transporters who direct shipments of off-specification used oil to processors who incidently burn used oil are not marketers subject to this Subpart;

2) Persons who direct shipments of on-specification used oil and who are not the first person to claim the oil meets the used oil fuel specifications of Section 739.111.

c) Any person subject to the requirements of this Subpart must also comply with one of the following:

1) Subpart C of this Part - Standards for Used Oil Generators;

2) Subpart E of this Part - Standards for Used Oil Transporters and Transfer Facilities;

3) Subpart F of this Part - Standards for Used Oil Processors and Re-refiners; or

4) Subpart G of this Part - Standards for Used Oil Burners who Burn Off-Specification Used Oil for Energy Recovery.

Section 739.171 Prohibitions

A used oil fuel marketer may initiate a shipment of off-specification used oil only to a used oil burner who:

a) Has an Illinois special waste identification number; and

b) Burns the used oil in an industrial furnace or boiler identified in Section 739.161(a).

Section 739.172 On-specification used oil fuel

a) Analysis of used oil fuel. A generator, transporter, processor, or burner may determine that used oil that is to be burned for energy recovery meets the fuel specifications of Section 739.111

by performing analyses or obtaining copies of analyses or other information documenting that the used oil fuel meets the specifications. Such used oil that is to be burned for energy recovery is not subject to further regulation under this Part.

b) Record retention. A generator, transporter, processor, or burner who first claims that used oil that is to be burned for energy recovery meets the specifications for used oil fuel under this Part must keep copies of analyses of the used oil (or other information used to make the determination) for three years.

Section 739.173 Notification

a) A used oil fuel marketer subject to the requirements of this Section who has not previously complied with the notification requirements of RCRA Section 3010 must comply with these requirements and obtain an Illinois special waste identification number.

b) A marketer who has not received an EPA identification number may obtain one by notifying the Regional Administrator of their used oil activity by submitting either:

1) A completed EPA Form 8700-12; or

2) A letter requesting an EPA identification number. The letter should include the following information:

A) Marketer company name;

B) Owner of the marketer;

C) Mailing address for the marketer;

D) Name and telephone number for the marketer point of contact; and

E) Type of used oil activity (i.e., generator directing shipments of off-specification used oil to a burner).

Section 739.174 Tracking

a) Off-specification used oil delivery. Any used oil generator who directs a shipment of off-specification used oil to a burner must keep a record of each shipment of used oil to a used oil burner. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. Records for each shipment must include the following information:

1) The name and address of the transporter who delivers the used oil to the burner;

2) The name and address of the burner who will receive the used oil;

3) The Illinois special waste number of the transporter who delivers the used oil to the burner;

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4) The Illinois special waste number of the burner;

5) The quantity of used oil shipped; and

6) The date of shipment.

b) On-specification used oil delivery. A generator, transporter, processor, or burner who first claims that used oil that is to be burned for energy recovery meets the fuel specifications under Section 739.111 must keep a record of each shipment of used oil to an on-specification used oil burner. Records for each shipment must include the following information:

1) The name and address of the facility receiving the shipment;

2) The quantity of used oil fuel delivered;

3) The date of shipment or delivery; and

4) A cross-reference to the record of used oil analysis or other information used to make the determination that the oil meets the specification as required under Section 739.172(a).

c) Record retention. The records described in subsections (a) and (b) above must be maintained for at least three years.

Section 739.175 Notices

a) Certification. Before a used oil generator, transporter, or processor directs the first shipment of off-specification used oil fuel to a burner, he must obtain a one-time written and signed notice from the burner certifying that:

1) The burner has notified EPA stating the location and general description of used oil management activities; and

2) The burner will burn the off-specification used oil only in an industrial furnace or boiler identified in Section 739.161(a).

b) Certification retention. The certification described in subsection (a) above must be maintained for three years from the date the last shipment of off-specification used oil is shipped to the burner.

SUBPART I: STANDARDS FOR USE AS A DUST SUPPRESSANT DISPOSAL OF USED OIL

Section 739.180 Applicability

The requirements of this Subpart apply to all used oils that cannot be recycled and are therefore being disposed.

Section 739.181 Disposal

a) Disposal of hazardous used oils. Used oils that are identified as a hazardous waste and cannot be recycled in accordance with this Part must be managed in accordance with the hazardous waste

management requirements of 35 Ill. Adm. Code 703, 720 through 726, and 728.

b) Disposal of nonhazardous used oils. Used oils that are not hazardous wastes and cannot be recycled under this Part must be disposed in accordance with the requirements of 35 Ill. Adm. Code 807 through 815 and 40 CFR 257 and 258.

Section 739.182 Use as a dust suppressant

a) The use of used oil as a dust suppressant is prohibited, except when such activity takes place in one of the states listed in subsection (c) of this Section.

b) A State may petition (e.g., as part of its authorization petition submitted to EPA under 35 Ill. Adm. Code 721.105 or by a separate submission) EPA to allow the use of used oil (that is not mixed with hazardous waste and does not exhibit a characteristic other than ignitability) as a dust suppressant. The State must show that it has a program in place to prevent the use of used oil and hazardous waste mixtures or used oil exhibiting a characteristic other than ignitability as a dust suppressant. In addition, such programs must minimize the impacts of use as a dust suppressant on the environment.

c) This subsection corresponds to 40 CFR 268.182(c) which lists the States with an authorized program for use of used oil as a dust suppressant. This subsection is adopted to retain correlation with the Federal rules.

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1) Heading of the Part: Medical Payment

2) Code Citation: 89 Ill. Adm. Code 140

3) Section Numbers: Adopted Action:

140.492 Amendment

4) Statutory Authority: Articles III, IV, V, VI, VII and Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, pars. 3-1 et seq., 4-1 et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13) [305 ILCS 5/3, 4, 5, 6, 7, and 12-13]

5) Effective Date of Amendments: November 24, 1993

6) Does this rulemaking contain an automatic repeal date? No

7) Do these Amendments contain incorporations by reference? No

8) Date Filed in Agency's Principal Office: November 24, 1993

9) Notice of Proposal Published in Illinois Register:

July 16, 1993 (17 Ill. Reg. 10749)

10) Has JCAR issued a Statement of Objections to these Adopted Amendments? No

11) Differences between proposal and final version: The new language in subsection (e) has been relocated within the subsection, to provide greater clarity regarding payment for oxygen when used in conjunction with advanced life support services. The subsection now reads:

The Department shall pay for medically necessary ambulance services provided in accordance with Section 140.490 at a base, mileage rate (loaded miles) and a rate for oxygen, as appropriate. Payment shall also be made for Advanced Life Support (ALS) at an all inclusive rate which includes the base rate, ~~oxygen~~, supplies, and all other services, excluding mileage. However, for ALS services provided on or after July 1, 1993, separate reimbursement shall be made for oxygen when used and appropriately billed. Loaded miles for ALS trips shall be reimbursed at the per mile rate. Rates shall be reviewed beginning November 1, 1986, and each November thereafter, according to the methodology set forth in subsections (e)(1) through (4) of this Section. Revised rates pursuant to this methodology shall be effective with services provided on or after July 1 of the succeeding year.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes

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13) Will these Amendments replace Emergency Amendments currently in effect? Yes

14) Are there any Amendments pending on this Part? Yes

Sections	Proposed Action	Illinois Register Citation
140.2	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.3	Amendment	October 29, 1993 (17 Ill. Reg. 18768)
140.12	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.40	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.71	Amendment	October 15, 1993 (17 Ill. Reg. 17736)
140.80	Amendment	October 15, 1993 (17 Ill. Reg. 17736)
140.82	Amendment	October 15, 1993 (17 Ill. Reg. 17736)
140.84	Amendment	October 15, 1993 (17 Ill. Reg. 17736)
140.400	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.413	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.420	Amendment	September 24, 1993 (17 Ill. Reg. 15444)
140.421	Amendment	September 24, 1993 (17 Ill. Reg. 15444)
140.460	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.461	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.462	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.463	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.464	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.469	Amendment	November 5, 1993 (17 Ill. Reg. 19012)
140.485	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.523	Amendment	October 22, 1993 (17 Ill. Reg. 18436)
140.530	Amendment	September 17, 1993 (17 Ill. Reg. 14800)
140.538	Amendment	September 17, 1993 (17 Ill. Reg. 14800)
140.560	Amendment	September 17, 1993 (17 Ill. Reg. 14800)
140.583	Amendment	September 17, 1993 (17 Ill. Reg. 14800)
140.643	Amendment	October 29, 1993 (17 Ill. Reg. 18768)
140.645	Amendment	October 29, 1993 (17 Ill. Reg. 18768)
140.648	Amendment	September 17, 1993 (17 Ill. Reg. 14800)
140.920	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.922	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.924	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.926	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.928	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.930	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.932	New Section	October 22, 1993 (17 Ill. Reg. 18436)
140.TABLE M	New Section	October 22, 1993 (17 Ill. Reg. 18436)

15) Summary and Purpose of Amendments: These amendments to the Department of Public Aid's rules concerning medical payment are intended to implement the agreed order in Capital Ambulance et al. v. Wright. The amendments make a change in the methodology for the determination of payments for ambulance services. The amendments specify that a separate payment for

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oxygen will be added to the rate when oxygen is provided during an advanced life support trip. The change will apply to services provided beginning July 1, 1993.

Section 140.492 was amended effective February 15, 1993, to clarify the Department policy that the advanced life support rate is all-inclusive and that separate oxygen reimbursement is not provided in connection with advanced life support services. The Joint Committee on Administrative Rules issued an objection concering those amendments. The policy contained in those previous amendments is being revised by these amendments.

16) Information and questions regarding these Adopted Amendments shall be directed to:

Name: Joanne Jones
Address: Bureau of Rules and Regulations
Illinois Department of Public Aid
100 South Grand Avenue East, Third Floor
Springfield, Illinois 62762
Telephone: (217) 524-3215

The full text of the Adopted Amendments begins on the next page:

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TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER d: MEDICAL PROGRAMS

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MEDICAL PAYMENT

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140.980 Elimination Of Aid To The Medically Indigent (AMI) Program (Emergency Expired)
140.982 Elimination Of Hospital Services For Persons Age Eighteen (18) And Older And Persons Married And Living With Spouse, Regardless Of Age (Emergency Expired)
140.TABLE A Medichek Recommended Screening Procedures (Repealed)
140.TABLE B Health Service Areas
140.TABLE C Capital Cost Areas
140.TABLE D Schedule of Dental Procedures
140.TABLE E Time Limits for Processing of Prior Approval Requests
140.TABLE F Podiatry Service Schedule
140.TABLE G Travel Distance Standards
140.TABLE H Areas of Major Life Activity
140.TABLE I Staff Time and Allocation for Training Programs (Recodified)
140.TABLE J HSA Grouping (Repealed)
140.TABLE K Services Qualifying for 10% Add-On
140.TABLE L Services Qualifying for 10% Add-On to Surgical Incentive Add-On
140.TABLE M Enhanced Rates for Healthy Moms/Healthy Kids Provider Services
EMERGENCY

AUTHORITY: Implementing Article III of the Illinois Health Finance Reform Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 6503-1 et seq.) [20 ILCS 2215/3-1 et seq.] and implementing and authorized by Articles III, IV, V, VI, VII and Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, pars. 3-1 et seq., 4-1 et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13) [305 ILCS 5/3, 4, 5, 6, 7, and 12-13]

SOURCE: Adopted at 3 Ill. Reg. 24, p. 166, effective June 10, 1979; rule repealed and new rule adopted at 6 Ill. Reg. 8374, effective July 6, 1982;

emergency amendment at 6 Ill. Reg. 8508, effective July 6, 1982, for a maximum of 150 days; amended at 7 Ill. Reg. 681, effective December 30, 1982; amended at 7 Ill. Reg. 7956, effective July 1, 1983; amended at 7 Ill. Reg. 8308, effective July 1, 1983; amended at 7 Ill. Reg. 8271, effective July 5, 1983; emergency amendment at 7 Ill. Reg. 8354, effective July 5, 1983, for a maximum of 150 days; amended at 7 Ill. Reg. 8540, effective July 15, 1983; amended at 7 Ill. Reg. 9382, effective July 22, 1983; amended at 7 Ill. Reg. 12868, effective September 20, 1983; peremptory amendment at 7 Ill. Reg. 15047, effective October 31, 1983; amended at 7 Ill. Reg. 17358, effective December 21, 1983; amended at 8 Ill. Reg. 254, effective December 21, 1983; emergency amendment at 8 Ill. Reg. 580, effective January 1, 1984, for a maximum of 150 days; codified at 8 Ill. Reg. 2483; amended at 8 Ill. Reg. 3012, effective February 22, 1984; amended at 8 Ill. Reg. 5262, effective April 9, 1984; amended at 8 Ill. Reg. 6785, effective April 27, 1984; amended at 8 Ill. Reg. 6983, effective May 9, 1984; amended at 8 Ill. Reg. 7258, effective May 16, 1984; emergency amendment at 8 Ill. Reg. 7910, effective May 22, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 7910, effective June 1, 1984; amended at 8 Ill. Reg.10032, effective June 18, 1984; emergency amendment at 8 Ill. Reg. 10062, effective June 20, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 13343, effective July 17, 1984; amended at 8 Ill. Reg. 13779, effective July 24, 1984; Sections 140.72 and 140.73 recodified to 89 Ill. Adm. Code 141 at 8 Ill. Reg. 16354; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17899; peremptory amendment at 8 Ill. Reg. 18151, effective September 18, 1984; amended at 8 Ill. Reg. 21629, effective October 19, 1984; peremptory amendment at 8 Ill. Reg. 21677, effective October 24, 1984; amended at 8 Ill. Reg. 22097, effective October 24, 1984; peremptory amendment at 8 Ill. Reg. 22155, effective October 29, 1984; amended at 8 Ill. Reg. 23218, effective November 20, 1984; emergency amendment at 8 Ill. Reg. 23721, effective November 21, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 25067, effective December 19, 1984; emergency amendment at 9 Ill. Reg. 407, effective January 1, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 2697, effective February 22, 1985; amended at 9 Ill. Reg. 6235, effective April 19, 1985; amended at 9 Ill. Reg. 8677, effective May 28, 1985; amended at 9 Ill. Reg. 9564, effective June 5, 1985; amended at 9 Ill. Reg. 10025, effective June 26, 1985; emergency amendment at 9 Ill. Reg. 11403, effective June 27, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 11357, effective June 28, 1985; amended at 9 Ill. Reg. 12000, effective July 24, 1985; amended at 9 Ill. Reg. 12306, effective August 5, 1985; amended at 9 Ill. Reg. 13998, effective September 3, 1985; amended at 9 Ill. Reg. 14684, effective September 13, 1985; amended at 9 Ill. Reg. 15503, effective October 4, 1985; amended at 9 Ill. Reg. 16312, effective October 11, 1985; amended at 9 Ill. Reg. 19138, effective December 2, 1985; amended at 9 Ill. Reg. 19737, effective December 9, 1985; amended at 10 Ill. Reg. 238, effective December 27, 1985; emergency amendment at 10 Ill. Reg. 798, effective January 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 672, effective January 6, 1986; amended at 10 Ill. Reg. 1206, effective January 13, 1986; amended at 10 Ill. Reg. 3041, effective January 24, 1986; amended at 10 Ill. Reg. 6981, effective April 16, 1986; amended at 10 Ill.

Reg. 7825, effective April 30, 1986; amended at 10 Ill. Reg. 8128, effective May 7, 1986; emergency amendment at 10 Ill. Reg. 8912, effective May 13, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 11440, effective June 20, 1986; amended at 10 Ill. Reg. 14714, effective August 27, 1986; amended at 10 Ill. Reg. 15211, effective September 12, 1986; emergency amendment at 10 Ill. Reg. 16729, effective September 18, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 18808, effective October 24, 1986; amended at 10 Ill. Reg. 19742, effective November 12, 1986; amended at 10 Ill. Reg. 21784, effective December 15, 1986; amended at 11 Ill. Reg. 698, effective December 19, 1986; amended at 11 Ill. Reg. 1418, effective December 31, 1986; amended at 11 Ill. Reg. 2323, effective January 16, 1987; amended at 11 Ill. Reg. 4002, effective February 25, 1987; Section 140.71 recodified to 89 Ill. Adm. Code 141 at 11 Ill. Reg. 4302; amended at 11 Ill. Reg. 4303, effective March 6, 1987; amended at 11 Ill. Reg. 7664, effective April 15, 1987; emergency amendment at 11 Ill. Reg. 9342, effective April 20, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 9169, effective April 28, 1987; amended at 11 Ill. Reg. 10903, effective June 1, 1987; amended at 11 Ill. Reg. 11528, effective June 22, 1987; amended at 11 Ill. Reg. 12011, effective June 30, 1987; amended at 11 Ill. Reg. 12290, effective July 6, 1987; amended at 11 Ill. Reg. 14048, effective August 14, 1987; amended at 11 Ill. Reg. 14771, effective August 25, 1987; amended at 11 Ill. Reg. 16758, effective September 28, 1987; amended at 11 Ill. Reg. 17295, effective September 30, 1987; amended at 11 Ill. Reg. 18696, effective October 27, 1987; amended at 11 Ill. Reg. 20909, effective December 14, 1987; amended at 12 Ill. Reg. 916, effective January 1, 1988; emergency amendment at 12 Ill. Reg. 1960, effective January 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 5427, effective March 15, 1988; amended at 12 Ill. Reg. 6246, effective March 16, 1988; amended at 12 Ill. Reg. 6728, effective March 22, 1988; Sections 140.900 thru 140.912 and 140.Table H and 140.Table I recodified to 89 Ill. Adm. Code 147.5 thru 147.205 and 147.Table A and 147.Table B at 12 Ill. Reg. 6956; amended at 12 Ill. Reg. 6927, effective April 5, 1988; Sections 140.940 thru 140.972 recodified to 89 Ill. Adm. Code 149.5 thru 149.325 at 12 Ill. Reg. 7401; amended at 12 Ill. Reg. 7695, effective April 21, 1988; amended at 12 Ill. Reg. 10497, effective June 3, 1988; amended at 12 Ill. Reg. 10717, effective June 14, 1988; emergency amendment at 12 Ill. Reg. 11868, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12509, effective July 15, 1988; amended at 12 Ill. Reg. 14271, effective August 29, 1988; emergency amendment at 12 Ill. Reg. 16921, effective September 28, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 16738, effective October 5, 1988; amended at 12 Ill. Reg. 17879, effective October 24, 1988; amended at 12 Ill. Reg. 18198, effective November 4, 1988; amended at 12 Ill. Reg. 19396, effective November 6, 1988; amended at 12 Ill. Reg. 19734, effective November 15, 1988; amended at 13 Ill. Reg. 125, effective January 1, 1989; amended at 13 Ill. Reg. 2475, effective February 14, 1989; amended at 13 Ill. Reg. 3069, effective February 28, 1989; amended at 13 Ill. Reg. 3351, effective March 6, 1989; amended at 13 Ill. Reg. 3917, effective March 17, 1989; amended at 13 Ill. Reg. 5115, effective April 3, 1989; amended at 13 Ill. Reg. 5718, effective April 10, 1989; Sections 140.850 thru 140.896 recodified to 89 Ill Adm. Code 146.5 thru

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146.225 at 13 Ill. Reg. 7040; amended at 13 Ill. Reg. 7025, effective April 24, 1989; amended at 13 Ill. Reg. 7786, effective May 20, 1989; Sections 140.94 thru 140.398 recodified to 89 Ill. Adm. Code 148.10 thru 148.390 at 13 Ill. Reg. 9572; emergency amendment at 13 Ill. Reg. 10977, effective July 1, 1989, for a maximum of 150 days; emergency expired November 28, 1989; amended at 13 Ill. Reg. 11516, effective July 3, 1989; amended at 13 Ill. Reg. 12119, effective July 7, 1989; Section 140.110 recodified to 89 Ill. Adm. Code 148.120 at 13 Ill. Reg. 12118; amended at 13 Ill. Reg. 12562, effective July 17, 1989; amended at 13 Ill. Reg. 14391, effective August 31, 1989; emergency amendment at 13 Ill. Reg. 15473, effective September 12, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 16992, effective October 16, 1989; amended at 14 Ill. Reg. 190, effective December 21, 1989; amended at 14 Ill. Reg. 2564, effective February 9, 1990; emergency amendment at 14 Ill. Reg. 3241, effective February 14, 1990, for a maximum of 150 days; emergency expired July 14, 1990; amended at 14 Ill. Reg. 4543, effective March 12, 1990; emergency amendment at 14 Ill. Reg. 4577, effective March 6, 1990, for a maximum of 150 days; emergency expired August 3, 1990; emergency amendment at 14 Ill. Reg. 5575, effective April 1, 1990, for a maximum of 150 days; emergency expired August 29, 1990; emergency amendment at 14 Ill. Reg. 5865, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 7141, effective April 27, 1990; emergency amendment at 14 Ill. Reg. 7249, effective April 27, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 10062, effective June 12, 1990; amended at 14 Ill. Reg. 10409, effective June 19, 1990; emergency amendment at 14 Ill. Reg. 12082, effective July 5, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 13262, effective August 6, 1990; emergency amendment at 14 Ill. Reg. 14184, effective August 16, 1990, for a maximum of 150 days; emergency amendment at 14 Ill. Reg. 14570, effective August 22, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 14826, effective August 31, 1990; amended at 14 Ill. Reg. 15366, effective September 12, 1990; amended at 14 Ill. Reg. 15981, effective September 21, 1990; amended at 14 Ill. Reg. 17279, effective October 12, 1990; amended at 14 Ill. Reg. 18057, effective October 22, 1990; amended at 14 Ill. Reg. 18508, effective October 30, 1990; amended at 14 Ill. Reg. 18813, effective November 6, 1990; amended at 14 Ill. Reg. 20478, effective December 7, 1990; amended at 14 Ill. Reg. 20729, effective December 12, 1990; amended at 15 Ill. Reg. 298, effective December 28, 1990; emergency amendment at 15 Ill. Reg. 592, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 1051, effective January 18, 1991; Section 140.569 withdrawn at 15 Ill. Reg. 1174; amended at 15 Ill. Reg. 6220, effective April 18, 1991; amended at 15 Ill. Reg. 6534, effective April 30, 1991; amended at 15 Ill. Reg. 8264, effective May 23, 1991; amended at 15 Ill. Reg. 8972, effective June 17, 1991; amended at 15 Ill. Reg. 10114, effective June 21, 1991; amended at 15 Ill. Reg. 10468, effective July 1, 1991; amended at 15 Ill. Reg. 11176, effective August 1, 1991; emergency amendment at 15 Ill. Reg. 11515, effective July 25, 1991, for a maximum of 150 days; emergency expired December 22, 1991; emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991, for a maximum of 150 days; emergency expired January 12, 1992; emergency amendment at 15 Ill. Reg. 16366, effective October 22, 1991, for a maximum of 150 days;

amended at 15 Ill. Reg. 17318, effective November 18, 1991; amended at 15 Ill. Reg. 17733, effective November 22, 1991; emergency amendment at 16 Ill. Reg. 300, effective December 20, 1991, for a maximum of 150 days; amended at 16 Ill. Reg. 174, effective December 24, 1991; amended at 16 Ill. Reg. 1877, effective January 24, 1992; amended at 16 Ill. Reg. 3552, effective February 28, 1992; amended at 16 Ill. Reg. 4006, effective March 6, 1992; amended at 16 Ill. Reg. 6408, effective March 20, 1992; amended at 16 Ill. Reg. 6849, effective April 7, 1992; amended at 16 Ill. Reg. 7017, effective April 17, 1992; amended at 16 Ill. Reg. 10050, effective June 5, 1992; amended at 16 Ill. Reg. 11174, effective June 26, 1992; expedited correction at 16 Ill. Reg. 11348, effective March 20, 1992; emergency amendment at 16 Ill. Reg. 11947, effective July 10, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 12186, effective July 24, 1992; emergency amendment at 16 Ill. Reg. 13337, effective August 14, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 15109, effective September 21, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 15561, effective September 30, 1992; amended at 16 Ill. Reg. 17302, effective November 2, 1992; emergency amendment at 16 Ill. Reg. 18097, effective November 17, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 19146, effective December 1, 1992; amended at 16 Ill. Reg. 19879, effective December 7, 1992; amended at 17 Ill. Reg. 837, effective January 11, 1993; amended at 17 Ill. Reg. 1112, effective January 15, 1993; amended at 17 Ill. Reg. 2290, effective February 15, 1993; amended at 17 Ill. Reg. 2951, effective February 17, 1993; amended at 17 Ill. Reg. 3421, effective February 19, 1993; amended at 17 Ill. Reg. 6196, effective April 5, 1993; amended at 17 Ill. Reg. 6839, effective April 21, 1993; amended at 17 Ill. Reg. 7004, effective May 17, 1993; expedited correction at 17 Ill. Reg. 7078, effective December 1, 1992; emergency amendment at 17 Ill. Reg. 11201, effective July 1, 1993, for a maximum of 150 days; emergency amendment at 17 Ill. Reg. 15162, effective September 2, 1993, for a maximum of 150 days; emergency amendment at 17 Ill. Reg. 18152, effective October 1, 1993, for a maximum of 150 days; emergency amendment at 17 Ill. Reg. 18611, effective October 1, 1993, for a maximum of 150 days; amended at 17 Ill. Reg. 18571, effective October 8, 1993; emergency amendment suspended effective October 12, 1993; amended at 17 Ill. Reg. _____, effective November 24, 1993.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE.

SUBPART D: PAYMENT FOR NON-INSTITUTIONAL SERVICES

Section 140.492 Payment for Medical Transportation

Payment for medical transportation services shall be made in accordance with the methodologies outlined in this Section. In no case shall rates exceed the Medicare charge level, where applicable, or the rates charged to the general public.

a) Medicars shall be paid a base rate, mileage rate and a fixed amount for nonroutine services (e.g., an additional attendant). Loaded

Section 140.492(a) (continued)

miles after ten (10) miles (twenty [20] miles round trip) shall be reimbursed.

b) Service cars shall be paid a base rate and a mileage rate. Loaded miles after ten (10) miles (twenty [20] miles round trip) shall be reimbursed.

c) Private autos shall be paid for loaded miles at a mileage rate.

d) Payment for transportation services provided by common carrier, (e.g., air lines, buses, trains) shall be at the usual community rate. Taxicabs shall be reimbursed at the community rate, if in an area regulated by a municipality or township. Taxicabs in non-regulated areas shall be reimbursed at a rate as determined by the Department. This rate will be effective July 1, 1992 and will be reviewed on an annual basis each July.

e) The Department shall pay for medically necessary ambulance services provided in accordance with Section 140.490 at a base, mileage rate (loaded miles) and a rate for oxygen, as appropriate. Payment shall also be made for Advanced Life Support (ALS) at an all inclusive rate which includes the base rate, ~~oxygen,~~ supplies, and all other services, excluding mileage. <u>However, for ALS services provided on or after July 1, 1993, separate reimbursement shall be made for oxygen when used and appropriately billed.</u> Loaded miles for ALS trips shall be reimbursed at the per mile rate. Rates shall be reviewed beginning November 1, 1986, and each November thereafter, according to the methodology set forth in subsections (e)(1) through (4) of this Section. Revised rates pursuant to this methodology shall be effective with services provided on or after July 1 of the succeeding year.

1) Payment shall be made at a basic rate which is provider specific. The basic rate shall be the lesser of the provider's usual and customary charge to the general public (as reflected on the provider's claim form), or 80% of the 50th percentile of the Medicare prevailing charge for Basic Life Support for the designated Medicare Locality, except that any basic rate previously approved by the Department which exceeds these parameters shall remain in force. The rate of annual increase shall not exceed 5%.

2) Payment for loaded miles, i.e., those miles for which the provider is actually transporting an individual, shall be at a rate per mile. The rate per mile shall be 50% of the 50th percentile of the Medicare prevailing mileage charge for

Section 140.492(e)(2) (continued)

Medicare Locality 16. The annual rate of increase shall not exceed 5%.

3) Payment for oxygen shall be made at a flat rate statewide. The rate shall be 50% of the 50th percentile of the Medicare prevailing charge for Medicare Locality 16. The annual rate of increase shall not exceed 5%.

4) Payment for Advanced Life Support services shall be at the lesser of the provider's usual charge, or a maximum allowable rate statewide. The maximum rate shall be 80% of the difference between the Medicare 50th percentile prevailing charge for Basic Life Support services and Advanced Life Support services for Medicare Locality 16. The annual rate of increase shall not exceed 5%.

f) Payment for medical transportation services provided by individuals, including those currently receiving public assistance, legally responsible relatives, or household members will be made at a loaded mileage rate.

(Source: Amended at 17 Ill. Reg. _____, effective November 24, 1993)

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DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part:

Intermediate Care for the Developmentally Disabled Facilities Code

2) Code Citation:

77 Ill. Adm. Code 350

3) Section Numbers: Adopted Action:

350.640 Amendments

4) Statutory Authority:

Nursing Home Care Act
Ill. Rev. Stat. 1993, ch. 111 1/2, pars. 4151-101 et seq.
[210 ILCS 45]

5) Effective Date of Rules:

November 20, 1993

6) Does this Rulemaking Contain an Automatic Repeal Date? Yes___ No_X_

If "yes," please specify date: _____

7) Does this Rulemaking Contain Any Incorporations By Reference? Yes___ No_X_

8) Date Filed in Agency's Principal Office:

November 20, 1993

9) Date Notice(s) of Proposal was Published in Illinois Register:

November 20, 1992 - 16 Ill. Reg. 17500

10) Has the Joint Committee on Administrative Rules issued a Statement of Objections to this/these Rules? Yes _____ No ___X____

If "yes," please complete the following:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

A) Statement of Objection: _____, _____Ill. Reg. _____

B) Agency Response: _____, _____Ill. Reg. _____

C) Date Agency Response Submitted for Approval to the Joint Committee:

_____

11) Difference Between Proposal and Final Version:

The following changes were made in response to comments received during the first notice or public comment period:

None

The following changes were made in response to comments and suggestions of the Joint Committee on Administrative Rules:

None (see below)

In addition, various typographical, grammatical and form changes were made in response to the comments from the Administrative Code Division and the Joint Committee on Administrative Rules. These adopted amendments also reflect amendments to Section 350.630 that were adopted subsequent to the publication of these amendments.

12) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

The Department has made all the changes to which it agreed with the Joint Committee.

13) Will the Rules Replace an Emergency Rule Currently in Effect?

Yes _____ No ___X____

14) Are there any other Amendments Pending on this Part?

Yes_X_ No____

If Yes:

Section Numbers	Proposed Action	Ill. Reg. Citation
350.110	Amendments	17 Ill. Reg. 12104

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

350.120	Amendments	17 Ill. Reg. 12104
350.140	Amendments	17 Ill. Reg. 12104
350.150	Amendments	17 Ill. Reg. 12104
350.160	Amendments	17 Ill. Reg. 12104
350.282	Amendments	17 Ill. Reg. 12104
350.2660	Amendments	17 Ill. Reg. 12104

15) Summary and Purpose of Rules:

The rules in Part 350 govern the licensure of skilled nursing and intermediate care facilities. The Department is amending its rules in response to a petition for rulemaking submitted by the Illinois Health Care Association (Association) pursuant to Section 5-145 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1005-145 [5 ILCS 100/5-145] and the Department's rules entitled "Public Information, Rulemaking and Organization Code" (77 Ill. Adm. Code 1125). The Association requested that the Department amend Section 350.640 (Contract Between Resident and Facility) to state that the contract may provide that the charges for services may be changed with thirty days advance written notice to the resident or the person executing the contract on behalf of the resident. The written notice will become an addendum to the contract.

16) Information and Questions regarding this Adopted Rulemaking shall be directed to:

Ms. Gail DeVito, Division of Governmental Affairs, Department of Public Health, 535 West Jefferson, Fifth Floor, Springfield, Illinois 62761, 217/782-6187.

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIES

PART 350
INTERMEDIATE CARE FOR THE DEVELOPMENTALLY DISABLED FACILITIES CODE

SUBPART A: GENERAL PROVISIONS

Section
350.110 General Requirements
350.120 Application for License
350.130 Licensee
350.140 Issuance of an Initial License for a New Facility
350.150 Issuance of an Initial License Due to a Change of Ownership
350.160 Issuance of a Renewal License
350.165 Criteria for Adverse Licensure Actions
350.170 Denial of Initial License
350.175 Denial of Renewal of License
350.180 Revocation of License
350.190 Experimental Program Conflicting With Requirements
350.200 Inspections, Surveys, Evaluations and Consultation
350.210 Filing an Annual Attested Financial Statement
350.220 Information to Be Made Available to the Public By the Department
350.230 Information to Be Made Available to the Public By the Licensee
350.240 Municipal Licensing
350.250 Ownership Disclosure
350.260 Issuance of Conditional Licenses
350.270 Monitor and Receivership
350.271 Presentation of Findings
350.272 Determination to Issue a Notice of Violation or Administrative Warning
350.274 Determination of the Level of a Violation
350.276 Notice of Violation
350.277 Administrative Warning
350.278 Plans of Correction
350.280 Reports of Correction
350.282 Conditions for Assessment of Penalties
350.284 Calculation of Penalties
350.286 Determination to Assess Penalties
350.288 Reduction or Waiver of Penalties
350.290 Quarterly List of Violators
350.300 Alcoholism Treatment Programs In Long-Term Care Facilities
350.310 Department May Survey Facilities Formerly Licensed
350.320 Waivers
350.330 Definitions
350.340 Incorporated and Referenced Materials

SUBPART B: ADMINISTRATION

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DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

Section
350.510 Administrator

SUBPART C: POLICIES

Section
350.610 Management Policies
350.620 Resident Care Policies
350.630 Admission and Discharge Policies
350.640 Contract Between Resident and Facility
350.650 Residents' Advisory Council
350.660 General Policies
350.670 Personnel Policies
350.675 Initial Health Evaluation for Employees
350.680 Developmental Disabilities Aides
350.685 Student Interns
350.690 Disaster Preparedness
350.700 Serious Incidents and Accidents

SUBPART D: PERSONNEL

Section
350.810 Personnel
350.820 Consultation Services
350.830 Personnel Policies

SUBPART E: RESIDENT LIVING SERVICES

Section
350.1010 Service Programs
350.1020 Psychological Services
350.1030 Social Services
350.1040 Speech Pathology and Audiology Services
350.1050 Recreational and Activities Services
350.1060 Training and Habilitation Services
350.1070 Training and Habilitation Staff

SUBPART F: HEALTH SERVICES

Section
350.1210 Health Services
350.1220 Physician Services
350.1225 Tuberculin Skin Test Procedures
350.1230 Nursing Services
350.1235 Life-Sustaining Treatments
350.1240 Dental Services
350.1250 Physical and Occupational Therapy Services

SUBPART G: MEDICATIONS

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

Section
350.1410 Medication Policies and Procedures
350.1420 Conformance with Physician's Orders
350.1430 Administration of Medication
350.1440 Labeling and Storage
350.1450 Control of Narcotics and Legend Drugs

SUBPART H: RESIDENT AND FACILITY RECORDS

Section
350.1610 Resident Record Requirements
350.1620 Content of Medical Records
350.1630 Confidentiality of Resident's Records
350.1640 Records Pertaining to Residents' Property
350.1650 Retention and Transfer of Resident Records
350.1660 Other Resident Record Requirements
350.1670 Staff Responsibility for Medical Records
350.1680 Retention of Facility Records
350.1690 Other Facility Record Requirements

SUBPART I: FOOD SERVICE

Section
350.1810 Director of Food Services
350.1820 Dietary Staff in Addition to Director of Food Services
350.1830 Hygiene of Dietary Staff
350.1840 Diet Orders
350.1850 Adequacy of Diet and Meal Pattern
350.1860 Therapeutic Diets
350.1870 Scheduling Meals
350.1880 Menu Planning
350.1890 Food Preparation and Service
350.1900 Food Handling Sanitation
350.1910 Kitchen Equipment, Utensils, and Supplies

SUBPART J: MAINTENANCE, HOUSEKEEPING AND LAUNDRY

Section
350.2010 Maintenance
350.2020 Housekeeping
350.2030 Laundry Services

SUBPART K: FURNISHINGS, EQUIPMENT, AND SUPPLIES

Section
350.2210 Furnishings
350.2220 Equipment and Supplies

SUBPART L: WATER SUPPLY AND SEWAGE DISPOSAL

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

Section
350.2410 Codes
350.2420 Water Supply
350.2430 Sewage Disposal
350.2440 Plumbing

SUBPART M: CONSTRUCTION STANDARDS FOR NEW INTERMEDIATE CARE FACILITIES FOR THE DEVELOPMENTALLY DISABLED

Section
350.2610 Applicability of Standards
350.2620 Codes and Standards
350.2630 Preparation of Drawings and Specifications
350.2640 Site
350.2650 Administration and Public Areas
350.2660 Nursing Unit
350.2670 Dining, Living, Activities Rooms
350.2680 Therapy and Personal Care
350.2690 Service Departments
350.2700 General Building Requirements
350.2710 Structural
350.2720 Mechanical Systems
350.2730 Plumbing Systems
350.2740 Electrical Systems

SUBPART N: CONSTRUCTION STANDARDS FOR EXISTING INTERMEDIATE CARE FACILITIES FOR THE DEVELOPMENTALLY DISABLED

Section
350.2910 Applicability
350.2920 Codes and Standards
350.2930 Preparation of Drawings and Specifications
350.2940 Site
350.2950 Administration and Public Areas
350.2960 Nursing Unit
350.2970 Living, Dining, Activities Rooms
350.2980 Treatment and Personal Care
350.2990 Service Departments
350.3000 General Building Requirements
350.3010 Structural
350.3020 Mechanical Systems
350.3030 Plumbing Systems
350.3040 Electrical Requirements

SUBPART O: RESIDENT'S RIGHTS

Section
350.3210 General
350.3220 Medical and Personal Care Program

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

350.3230 Restraints
350.3240 Abuse and Neglect
350.3250 Communication and Visitation
350.3260 Resident's Funds
350.3270 Residents' Advisory Council
350.3280 Contract With Facility
350.3290 Private Right of Action
350.3300 Transfer or Discharge
350.3310 Complaint Procedures
350.3320 Confidentiality
350.3330 Facility Implementation

SUBPART P: SPECIAL STANDARDS FOR INTERMEDIATE CARE FACILITIES FOR THE DEVELOPMENTALLY DISABLED OF 16 BEDS OR LESS

Section
350.3710 Applicability of Other Provisions of this Part
350.3720 Administration
350.3730 Admission and Discharge Policies
350.3740 Personnel
350.3750 Consultation Services and Nursing Services
350.3760 Medication Policies
350.3770 Food Services
350.3780 Codes and Standards
350.3790 Administration and Public Areas
350.3800 Bedrooms
350.3810 Nurses Station
350.3820 Bath and Toilet Rooms
350.3830 Utility Rooms
350.3840 Living, Dining, Activity Rooms
350.3850 Therapy and Personal Care
350.3860 Kitchen
350.3870 Laundry Room
350.3880 General Building Requirements
350.3890 Corridors
350.3900 Special Care Room
350.3910 Exit Facilities and Subdivision of Floor Areas
350.3920 Stairways, Vertical Openings and Doorways
350.3930 Hazardous Areas and Combustible Storage
350.3940 Mechanical Systems
350.3950 Heating, Cooling, and Ventilating Systems
350.3960 Plumbing Systems
350.3970 Electrical Systems
350.3980 Fire Alarm and Detection System
350.3990 Emergency Electrical System
350.4000 Fire Protection
350.4010 Construction Types
350.4020 Equivalencies
350.4030 New Construction Requirements

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

SUBPART Q: DAY CARE PROGRAMS

Section
350.4210 Day Care in Long-Term Care Facilities

APPENDIX A Classification of Distinct Part of a Facility for Different Levels of Service (Repealed)
APPENDIX B Federal Requirements Regarding Residents' Rights
APPENDIX C Seismic Zone Map
APPENDIX D Forms for Day Care in Long-Term Care Facilities
TABLE A Sound Transmission Limitations in New Intermediate Care Facilities for the Developmentally Disabled
TABLE B Pressure Relationships and Ventilation Rate of Certain Areas for the New Intermediate Care Facilities for the Developmentally Disabled
TABLE C Construction Types and Sprinkler Requirements for Existing Intermediate Care Facilities for the Developmentally Disabled
TABLE D Food Service Sanitation Rules and Regulations, 77 Ill. Adm. Code 750, 1983 Applicable for New Intermediate Care Facilities for the Developmentally Disabled at Sixteen (16) Beds or Less
TABLE E Construction Types and Sprinkler Requirements for New Intermediate Care Facilities for the Developmentally Disabled of Sixteen (16) Beds or Less
TABLE F Disaster Preparedness Parameters - Relative Humidity and Temperature.

AUTHORITY: Implementing and authorized by the Nursing Home Care Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 4151-101 et seq.) [210 ILCS 45].

SOURCE: Emergency rules adopted at 4 Ill. Reg. 10, p. 495, effective March 1, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 30, p. 1, effective July 28, 1980; amended at 5 Ill. Reg. 1657, effective February 4, 1981; amended at 6 Ill. Reg. 5981, effective May 3, 1982; amended at 6 Ill. Reg. 6453, effective May 14, 1982; amended at 6 Ill. Reg. 8198, effective June 29, 1982; amended at 6 Ill. Reg. 14544, effective November 8, 1982; amended at 6 Ill. Reg. 14675, effective November 15, 1982; amended at 6 Ill. Reg. 15556, effective December 15, 1982; amended at 7 Ill. Reg. 278, effective December 22, 1982; amended at 7 Ill. Reg. 1919 and 1945, effective January 28, 1983; amended at 7 Ill. Reg. 7963, effective July 1, 1983; amended at 7 Ill. Reg. 15817, effective November 15, 1983; amended at 7 Ill. Reg. 16984, effective December 14, 1983; amended at 8 Ill. Reg. 15574 and 15578 and 15581, effective August 15, 1984; amended at 8 Ill. Reg. 15935, effective August 17, 1984; amended at 8 Ill. Reg. 16980, effective September 5, 1984; codified at 8 Ill. Reg. 19806; amended at 8 Ill. Reg. 24214, effective November 29, 1984; amended at 8 Ill. Reg. 24680, effective December 7, 1984; amended at 9 Ill. Reg. 142, effective December 26, 1984; amended at 9 Ill. Reg. 331, effective December 28, 1984; amended at 9 Ill. Reg. 2964, effective February 25, 1985; amended at 9 Ill. Reg. 10876, effective July 1, 1985; amended at 11 Ill. Reg. 14795, effective October 1, 1987; amended at 11 Ill. Reg. 16830, effective October 1, 1987;

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amended at 12 Ill. Reg. 979, effective December 24, 1987; amended at 12 Ill. Reg. 16838, effective October 1, 1988; emergency amendment at 12 Ill. Reg. 18705, effective October 24, 1988, for a maximum of 150 days; emergency expired March 23, 1989; amended at 13 Ill. Reg. 6040, effective April 17, 1989; amended at 13 Ill. Reg. 19451, effective December 1, 1989; amended at 14 Ill. Reg. 14876, effective October 1, 1990; amended at 15 Ill. Reg. 466, effective January 1, 1991; amended at 16 Ill. Reg. 594, effective January 1, 1992; amended at 16 Ill. Reg. 13910, effective September 1, 1992; amended at 17 Ill. Reg. 2351, effective February 10, 1993; emergency amendment at 17 Ill. Reg. 2373, effective February 3, 1993, for a maximum of 150 days; emergency expired July 3, 1993; emergency amendment at 17 Ill. Reg. 7948, effective May 6, 1993, for a maximum of 150 days; emergency expired on October 3, 1993; emergency amendment at 17 Ill. Reg. 9105, effective June 7, 1993, for a maximum of 150 days; amended at 17 Ill. Reg. 15056, effective September 3, 1993; amended at 17 Ill. Reg. 16153, effective January 1, 1994; amended at 17 Ill. Reg. 19210, effective October 26, 1993; amended at 17 Ill. Reg. _____, effective November 4, 1993; amended at 17 Ill. Reg. _____, effective November 20, 1993.

SUBPART C: POLICIES

Section 350.640 Contract Between Resident and Facility

a) Contract Execution

1) *Before a person is admitted to a facility, or at the expiration of the period of previous contract, or when the source of payment for the resident's care changes from private to public funds or from public to private funds, a written contract shall be executed between a licensee and the following in order of priority:*

A) *The person, or if the person is a minor, his parent or guardian; or*

B) *The person's guardian, if any, or agent, if any, as defined in Section 11a-23 of the Probate Act of 1975, as now or hereafter amended; or*

C) *A member of the person's immediate family.* (Section 2-202(a) of the Act)

2) *An adult person shall be presumed to have the capacity to contract for admission to a long-term care facility unless he has been adjudicated a "disabled person" within the meaning of Section 11a-2 of the Probate Act of 1975, or unless a petition for such an adjudication is pending in a circuit court of Illinois.* (Section 2-202(a) of the Act)

3) *If there is no guardian, agent or member of the person's immediate family available, able or willing to execute the contract required by Section 2-202 of the Act and a physician determines that a person is so disabled as to be unable to consent to placement in a facility, or if a person has already been found to be a "disabled person," but no order has been*

entered allowing residential placement of the person, that person may be admitted to a facility before the execution of a contract required by that Section; provided that a petition for guardianship or for modification of guardianship is filed within 15 days of the person's admission to a facility, and provided further that such a contract is executed within ten days of the disposition of the petition. (Section 2-202(a) of the Act)

4) No adult shall be admitted to a facility if he objects, orally or in writing, to such admission, except as otherwise provided in Chapters III and IV of the Mental Health and Developmental Disabilities Code, or Section 11a-14.1 of the Probate Act of 1975. (Section 2-202(a) of the Act)

5) If on the effective date of this Part, a person has not executed a contract as required by Section 2-202 of the Act, then such a contract shall be executed by, or on behalf of, the person, within ten days of the effective date of this Part, unless a petition has been filed for guardianship or modification of guardianship. If a petition for guardianship or modification of guardianship has been filed, and there is no guardian, agent or member of the person's immediate family available, able, or willing to execute the contract at that time, then a contract shall be executed within ten days of the disposition of such petition.

b) The contract shall be clearly and unambiguously entitled, "Contract Between Resident and (name of facility)."

c) Before a licensee (any facility licensed under the Act) enters a contract under Section 2-202 of the Act, it shall provide the prospective resident and his guardian, if any, with written notice of the licensee's policy regarding discharge of a resident whose private funds for payment of care are exhausted. (Section 2-202(a) of the Act)

d) A resident shall not be discharged or transferred at the expiration of the term of a contract, except as provided in Sections 3-401 through 3-423 of the Act. (Section 2-202(b) of the Act)

e) At the time of the resident's admission to the facility, a copy of the contract shall be given to the resident, his guardian, if any, and any other person who executed the contract. (Section 2-202(c) of the Act)

f) The contract shall be signed by the licensee or his agent. The title of each person signing the contract for the facility shall be clearly indicated next to each such signature. The nursing home administrator may sign as the agent of the licensee.

g) The contract shall be signed by, or for, the resident, as described in subsection (a) of this Section. If any person other than the principal signatory is to be held individually responsible for payments due under the contract, that person shall also sign the contract on a separate signature line labelled "signature of responsible party" or "signature of guarantor."

h) The contract shall include a definition of "responsible party" or "guarantor," which describes in full the liability incurred by any such person.

i) A copy of the contract for a resident who is supported by nonpublic funds other than the resident's own funds shall be made available to the person providing the funds for the resident's support. (Section 2-202(d) of the Act)

j) The original or a copy of the contract shall be maintained in the facility and be made available upon request to representatives of the Department and the Department of Public Aid. (Section 2-202(e) of the Act)

k) The contract shall be written in clear and unambiguous language and shall be printed in not less than 12 point type. (Section 2-202(f) of the Act)

l) The contract shall specify the term of the contract. (Section 2-202(g)(1) of the Act) The term can be until a certain date or event. If a certain date is specified in the contract, an addendum can extend the term of the contract to another date certain or on a month-to-month basis.

m) The contract shall specify the services to be provided under the contract and the charges for the services. (Section 2-202(g)(2) of the Act) A paragraph shall itemize the services and products to be provided by the facility and express the costs of the itemized services and products to be provided either in terms of a daily, weekly, monthly or yearly rate, or in terms of a single fee. The contract may provide that the charges for services may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

n) The contract shall specify the services that may be provided to supplement the contract and the charges for the services. (Section 2-202(g)(3) of the Act)

1) A paragraph shall itemize all services and products offered by the facility or related institutions which are not covered by the rate or fee established in subsection (m) of this Section. If a separate rate or fee for any such supplemental service or product can be calculated with definiteness at the time the contract is executed, then such additional cost shall be specified in the contract.

2) If the cost of any itemized service or product to be provided by the facility or related institutions to the resident cannot be established or predicted with definiteness at the time of the resident's admission to the facility or at the time of the execution of the contract, then no cost for that service or product need be stated in the contract. But the contract shall include a statement explaining the resident's liability for such itemized service or product and explaining that the resident will be receiving a bill for such itemized service or product beyond and in addition to any rate or fee set forth in the contract.

3) The contract may provide that the charges for services and products not covered by the rate or fee established in subsection (1) may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

o) *The contract shall specify the sources liable for payments under the contract.* (Section 2-202(g)(4) of the Act)

p) Deposit Provisions

1) *The contract shall specify the amount of deposit paid.* (Section 2-202(g)(5) of the Act)

2) Such amount shall be expressed in terms of a precise number of dollars and be clearly designated as a deposit. The contract shall specify when such deposit shall be paid by the resident, and the contract shall specify when such deposit shall be returned by the facility. The contract shall specify the conditions (if any) which must be satisfied by the resident before the facility shall return the deposit. Upon the satisfaction of all such conditions, the deposit shall be returned to the resident. If the deposit is nonrefundable, the contract shall provide express notice of such nonrefundability.

q) *The contract shall specify the rights, duties and obligations of the resident, except that the specification of a resident's rights may be furnished on a separate document which complies with the requirements of Section 2-211 of the Act.* (Section 2-202(g)(6) of the Act)

r) *The contract shall designate the name of the resident's representative, if any. The resident shall provide the facility with a copy of the written agreement between the resident and the resident's representative which authorizes the resident's representative to inspect and copy the resident's records and authorizes the resident's representative to execute the contract on behalf of the resident required by Section 2-202 of the Act.* (Section 2-202(h) of the Act)

s) *The contract shall provide that if the resident is compelled by a change in physical or mental health to leave the facility, the contract and all obligations under it shall terminate on seven days notice. It shall also provide that in all other situations, a resident may terminate the contract and all obligations under it with 30 days notice. All charges shall be prorated as of the date on which the contract terminates, and, if any payments have been made in advance, the excess shall be refunded to the resident. This provision shall not apply to life-care contracts through which a facility agrees to provide maintenance and care for a resident throughout the remainder of the resident's life nor to continuing-care contracts through which a facility agrees to supplement all available forms of financial support in providing maintenance and care for a resident*

throughout the remainder of the resident's life. (Section 2-202(i) of the Act)

t) All facilities which offer to provide a resident with *nursing services, medical services or personal care services, in addition to maintenance services, conditioned upon the transfer of an entrance fee to the provider of such services in addition to or in lieu of the payment of regular periodic charges for the care and services involved,* for a term in excess of one year or for life pursuant to a life care contract, shall meet all of the provisions of the Life Care Facilities Act (Ill. Rev. Stat. 1991, ch. 111 1/2, pars. 4160-1 et seq.) [210 ILCS 40], including the obtaining of a permit from the Department, before they may enter into such contracts. (Section 2(c) of the Life Care Facilities Act)

u) *In addition to all other contract specifications contained in this Section, admission contracts shall shall also specify:*

1) *whether the facility accepts Medicaid clients;*

2) *whether the facility requires a deposit of the resident or his family prior to the establishment of Medicaid eligibility;*

3) *in the event that a deposit is required, a clear and concise statement of the procedure to be followed for the return of such deposit to the resident or the appropriate family member or guardian of the person;*

4) *that all deposits made to a facility by a resident, or on behalf of a resident, shall be returned by the facility within 30 days of the establishment of Medicaid eligibility, unless such deposits must be drawn upon or encumbered in accordance with Medicaid eligibility requirements established by the Illinois Department of Public Aid.* (Section 2-202(j) of the Act)

v) *It shall be a business offense for a facility to knowingly and intentionally both retain a resident's deposit and accept Medicaid payments on behalf of the resident.* (Section 2-202(k) of the Act)

(Source: Amended at 17 Ill. Reg. _____, effective November 20, 1993)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part:

Long-Term Care for Under Age 22 Facilities Code

2) Code Citation:

77 Ill. Adm. Code 390

3) Section Numbers: Adopted Action:

390.640 Amendments

4) Statutory Authority:

Nursing Home Care Act
Ill. Rev. Stat. 1993, ch. 111 1/2, pars. 4151-101 et seq.
[210 ILCS 45]

5) Effective Date of Rules:

November 20, 1993

6) Does this Rulemaking Contain an Automatic Repeal Date? Yes___ No_X_

If "yes," please specify date: _____

7) Does this Rulemaking Contain Any Incorporations By Reference? Yes___ No_X_

8) Date Filed in Agency's Principal Office:

November 20, 1993

9) Date Notice(s) of Proposal was Published in Illinois Register:

November 20, 1992 - 16 Ill. Reg. 17515

10) Has the Joint Committee on Administrative Rules issued a Statement of Objections to this/these Rules? Yes _____ No ___X_____

If "yes," please complete the following:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

A) Statement of Objection: _____, _____Ill. Reg. _____

B) Agency Response: _____, _____Ill. Reg. _____

C) Date Agency Response Submitted for Approval to the Joint Committee:

_____

11) Difference Between Proposal and Final Version:

The following changes were made in response to comments received during the first notice or public comment period:

None

The following changes were made in response to comments and suggestions of the Joint Committee on Administrative Rules:

None (see below)

In addition, various typographical, grammatical and form changes were made in response to the comments from the Administrative Code Division and the Joint Committee on Administrative Rules. These adopted amendments also reflect amendments to Section 390.630 that were adopted subsequent to the publication of these amendments.

12) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

The Department has made all the changes to which it agreed with the Joint Committee.

13) Will the Rules Replace an Emergency Rule Currently in Effect?

Yes _____ No ___X_____

14) Are there any other Amendments Pending on this Part?

Yes_X_ No____

If Yes:

Section Numbers	Proposed Action	Ill. Reg. Citation
390.110	Amendments	17 Ill. Reg. 12128

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390.120	Amendments	17 Ill. Reg. 12128
390.140	Amendments	17 Ill. Reg. 12128
390.150	Amendments	17 Ill. Reg. 12128
390.160	Amendments	17 Ill. Reg. 12128
390.282	Amendments	17 Ill. Reg. 12128
390.2660	Amendments	17 Ill. Reg. 12128

15) Summary and Purpose of Rules:

The rules in Part 390 govern the licensure of long-term care facilities for persons under age 22. The Department is amending its rules in response to a petition for rulemaking submitted by the Illinois Health Care Association (Association) pursuant to Section 5-145 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1005-145 [5 ILCS 100/5-145] and the Department's rules entitled "Public Information, Rulemaking and Organization Code" (77 Ill. Adm. Code 1125). The Association requested that the Department amend Section 390.640 (Contract Between Resident and Facility) to state that the contract may provide that the charges for services may be changed with thirty days advance written notice to the resident or the person executing the contract on behalf of the resident. The written notice will become an addendum to the contract.

16) Information and Questions regarding this Adopted Rulemaking shall be directed to:

Ms. Gail DeVito, Division of Governmental Affairs, Department of Public Health, 535 West Jefferson, Fifth Floor, Springfield, Illinois 62761, 217/782-6187.

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIES

PART 390
LONG-TERM CARE FOR UNDER AGE 22 FACILITIES CODE

SUBPART A: GENERAL PROVISIONS

Section	
390.110	General Requirements
390.120	Application for License
390.130	Licensee
390.140	Issuance of an Initial License for a New Facility
390.150	Issuance of an Initial License Due to a Change of Ownership
390.160	Issuance of a Renewal License
390.165	Criteria for Adverse Licensure Actions
390.170	Denial of Initial License
390.175	Denial of Renewal of License
390.180	Revocation of License
390.190	Experimental Program Conflicting With Requirements
390.200	Inspections, Surveys, Evaluations and Consultation
390.210	Filing an Annual Attested Financial Statement
390.220	Information to be Made Available to the Public by the Department
390.230	Information to Be Made Available to the Public By the Licensee
390.240	Municipal Licensing
390.250	Ownership Disclosure
390.260	Issuance of Conditional Licenses
390.270	Monitor and Receivership
390.271	Presentation of Findings
390.272	Determination to Issue a Notice of Violation or Administrative Warning
390.274	Determination of the Level of a Violation
390.276	Notice of Violation
390.277	Administrative Warning
390.278	Plans of Correction
390.280	Reports of Correction
390.282	Conditions for Assessment of Penalties
390.284	Calculation of Penalties
390.286	Determination to Assess Penalties
390.288	Reduction or Waiver of Penalties
390.290	Quarterly List of Violators
390.300	Alcoholism Treatment Programs in Long-Term Care Facilities
390.310	Department May Survey Facilities Formerly Licensed
390.320	Waivers
390.330	Definitions
390.340	Incorporated and Referenced Materials

SUBPART B: ADMINISTRATION

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

Section
390.500 Administrator

SUBPART C: POLICIES

Section
390.610 Management Policies
390.620 Resident Care Policies
390.630 Admission and Discharge Policies
390.640 Contract Between Resident and Facility
390.650 Residents' Advisory Council
390.660 General Policies
390.670 Personnel Policies
390.675 Initial Health Evaluation for Employees
390.680 Child Care/Habilitation Aides
390.685 Student Interns
390.690 Disaster Preparedness
390.700 Serious Incidents and Accidents

SUBPART D: PERSONNEL

Section
390.810 General
390.820 Categories of Personnel
390.830 Consultation Services

SUBPART E: HEALTH AND DEVELOPMENTAL SERVICES

Section
390.1010 Service Programs
390.1020 Medical Services
390.1025 Life-Sustaining Treatments
390.1030 Physician Services
390.1035 Tuberculin Skin Test Procedures
390.1040 Nursing Services
390.1050 Dental Care Services
390.1060 Physical and Occupational Therapy Services
390.1070 Psychological Services
390.1080 Social Services
390.1090 Speech Pathology and Audiology Services
390.1100 Recreational and Activity Services
390.1110 Educational Services
390.1120 Work Activity and Prevocational Training Services

SUBPART F: RESTRAINTS AND SAFETY DEVICES, BEHAVIOR MANAGEMENT, AND BEHAVIOR EMERGENCIES

Section
390.1310 Restraints and Safety Devices

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

390.1320 Behavior Management
390.1330 Behavior Emergencies

SUBPART G: MEDICATIONS

Section
390.1410 Medication Policies and Procedures
390.1420 Conformance with Physician's Orders
390.1430 Administration of Medication
390.1440 Labeling and Storage of Medications
390.1450 Control of Narcotics and Legend Drugs

SUBPART H: RESIDENT AND FACILITY RECORDS

Section
390.1610 Resident Record Requirements
390.1620 Content of Medical Records
390.1630 Confidentiality of Resident's Records
390.1640 Records Pertaining to Residents' Property
390.1650 Retention and Transfer of Resident Records
390.1660 Other Resident Record Requirements
390.1670 Staff Responsibility for Medical Records
390.1680 Retention of Facility Records
390.1690 Other Facility Record Requirements

SUBPART I: FOOD SERVICE

Section
390.1810 Director of Food Services
390.1820 Dietary Staff in Addition to Director of Food Services
390.1830 Hygiene of Dietary Staff
390.1840 Diet Orders
390.1850 Adequacy of Diet and Meal Pattern
390.1860 Infant and Therapeutic Diets
390.1870 Scheduling Meals
390.1880 Menu Planning
390.1890 Food Preparation and Service
390.1900 Preparation of Infant Formula
390.1910 Food Handling Sanitation
390.1920 Kitchen Equipment, Utensils, and Supplies

SUBPART J: MAINTENANCE, HOUSEKEEPING, AND LAUNDRY

Section
390.2010 Maintenance
390.2020 Housekeeping
390.2030 Laundry Services

SUBPART K: FURNISHINGS, EQUIPMENT, AND SUPPLIES

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Section
390.2210 Furnishings
390.2220 Equipment and Supplies
390.2230 Sterilization of Supplies and Equipment

SUBPART L: WATER SUPPLY AND SEWAGE DISPOSAL

Section
390.2410 Codes
390.2420 Water Supply
390.2430 Sewage Disposal
390.2440 Plumbing

SUBPART M: DESIGN AND CONSTRUCTION STANDARDS FOR NEW FACILITIES

Section
390.2610 Applicability of these Standards
390.2620 Codes and Standards
390.2630 Preparation of Drawings and Specifications
390.2640 Site
390.2650 Administration and Public Areas
390.2660 Nursing Unit
390.2670 Dining, Play, Activity/Program Rooms
390.2680 Therapy and Personal Care
390.2690 Service Departments
390.2700 General Building Requirements
390.2710 Structural
390.2720 Mechanical Systems
390.2730 Plumbing Systems
390.2740 Electrical Systems

SUBPART N: DESIGN AND CONSTRUCTION STANDARDS FOR EXISTING FACILITIES

Section
390.2910 Applicability
390.2920 Codes and Standards
390.2930 Preparation of Drawings and Specifications
390.2940 Site
390.2950 Administration and Public Areas
390.2960 Nursing Unit
390.2970 Play, Dining, Activity/Program Rooms
390.2980 Treatment and Personal Care
390.2990 Service Department
390.3000 General Building Requirements
390.3010 Structural
390.3020 Mechanical Systems
390.3030 Plumbing Systems
390.3040 Electrical Requirements

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SUBPART O: RESIDENT'S RIGHTS

Section
390.3210 General
390.3220 Medical and Personal Care Program
390.3230 Restraints
390.3240 Abuse and Neglect
390.3250 Communication and Visitation
390.3260 Resident's Funds
390.3270 Residents' Advisory Council
390.3280 Contract With Facility
390.3290 Private Right of Action
390.3300 Transfer or Discharge
390.3310 Complaint Procedures
390.3320 Confidentiality
390.3330 Facility Implementation

SUBPART P: DAY CARE PROGRAMS

Section
390.3510 Day Care in Long-Term Care Facilities

APPENDIX A Interpretation and Illustrative Services for Long-Term Care Facility for Residents Under 22 Years of Age
APPENDIX B Forms for Day Care In Long-Term Care Facilities
TABLE A Infant Feeding
TABLE B Daily Nutritional Requirements By Age Group
TABLE C Sound Transmissions Limitations
TABLE D Pressure Relationships and Ventilation Rates of Certain Areas for New Long-Term Care Facilities for Persons Under Twenty-Two (22) Years of Age
TABLE E Sprinkler Requirements
TABLE F Disaster Preparedness Parameters - Relative Humidity and Temperature

AUTHORITY: Implementing and authorized by the Nursing Home Care Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 4151-101 et seq.) [210 ILCS 45].

SOURCE: Adopted at 6 Ill. Reg. 1658, effective February 1, 1982; emergency amendment at 6 Ill. Reg. 3223, effective March 8, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 11622, effective September 14, 1982; amended at 6 Ill. Reg. 14557 and 14560, effective November 8, 1982; amended at 6 Ill. Reg. 14678, effective November 15, 1982; amended at 7 Ill. Reg. 282, effective December 22, 1982; amended at 7 Ill. Reg. 1927, effective January 28, 1983; amended at 7 Ill. Reg. 8574, effective July 11, 1983; amended at 7 Ill. Reg. 15821, effective November 15, 1983; amended at 7 Ill. Reg. 16988, effective December 14, 1983; amended at 8 Ill. Reg. 15585, 15589, and 15592, effective August 15, 1984; amended at 8 Ill. Reg. 16989, effective September 5, 1984; codified at 8 Ill. Reg. 19823; amended at 8 Ill. Reg. 24159, effective November

29, 1984; amended at 8 Ill. Reg. 24656, effective December 7, 1984; amended at 8 Ill. Reg. 25083, effective December 14, 1984; amended at 9 Ill. Reg. 122, effective December 26, 1984; amended at 9 Ill. Reg. 10785, effective July 1, 1985; amended at 11 Ill. Reg. 16782, effective October 1, 1987; amended at 12 Ill. Reg. 931, effective December 24, 1987; amended at 12 Ill. Reg. 16780, effective October 1, 1988; emergency amendment at 12 Ill. Reg. 18243, effective October 24, 1988, for a maximum of 150 days; emergency expired March 23, 1989; amended at 13 Ill. Reg. 6301, effective April 17, 1989; amended at 13 Ill. Reg. 19521, effective December 1, 1989; amended at 14 Ill. Reg. 14904, effective October 1, 1990; amended at 15 Ill. Reg. 1878, effective January 25, 1991; amended at 16 Ill. Reg. 623, effective January 1, 1992; amended at 16 Ill. Reg. 14329, effective September 3, 1992; emergency amendment at 17 Ill. Reg. 2390, effective February 3, 1993, for a maximum of 150 days; emergency expired on July 3, 1993; emergency amendment at 17 Ill. Reg. 7974, effective May 6, 1993, for a maximum of 150 days; emergency expired on October 3, 1993; amended at 17 Ill. Reg. 15073, effective September 3, 1993; amended at 17 Ill. Reg. 16167, effective January 1, 1994; amended at 17 Ill. Reg. 19235, effective October 26, 1993; amended at 17 Ill. Reg. _____, effective November 4, 1993; amended at 17 Ill. Reg. _____, effective November 20, 1993.

SUBPART C: POLICIES

Section 390.640 Contract Between Resident and Facility

a) Contract Execution

1) *Before a person is admitted to a facility, or at the expiration of the period of previous contract, or when the source of payment for the resident's care changes from private to public funds or from public to private funds, a written contract shall be executed between a licensee and the following in order of priority:*

A) *The person, or if the person is a minor, his parent or guardian; or*

B) *The person's guardian, if any, or agent, if any, as defined in Section 11a-23 of the Probate Act of 1975; or*

C) *A member of the person's immediate family.* (Section 2-202(a) of the Act)

2) *An adult person shall be presumed to have the capacity to contract for admission to a long-term care facility unless he has been adjudicated a "disabled person" within the meaning of Section 11a-2 of the Probate Act of 1975, or unless a petition for such an adjudication is pending in a circuit court of Illinois.* (Section 2-202(a) of the Act)

3) *If there is no guardian, agent or member of the person's immediate family available, able or willing to execute the contract required by Section 2-202 of the Act and a physician determines that a person is so disabled as to be unable to consent to placement in a facility, or if a person has already been found to be a "disabled person," but no order has been entered allowing residential placement of the person, that person may be admitted to a facility before the execution of a contract required by that Section; provided that a petition for guardianship or for modification of guardianship is filed within 15 days of the person's admission to a facility, and provided further that such a contract is executed within ten days of the disposition of the petition.* (Section 2-202 (a) of the Act)

4) *No adult shall be admitted to a facility if he objects, orally or in writing, to such admission, except as otherwise provided in Chapters III and IV of the Mental Health and Developmental Disabilities Code~~,-as-amended,~~ or Section 11a-14.1 of the Probate Act of 1975~~,-as-amended~~.* (Section 2-202(a) of the Act)

5) If on the effective date of this Part, a person has not executed a contract as required by Section 2-202 of the Act, then such a contract shall be executed by, or on behalf of, the person, within ten days of the effective date of this Part, unless a petition has been filed for guardianship or modification of guardianship. If a petition for guardianship or modification of guardianship has been filed, and there is no guardian, agent or member of the person's immediate family available, able, or willing to execute the contract at that time, then a contract shall be executed within ten days of the disposition of such petition.

b) The contract shall be clearly and unambiguously entitled, "Contract Between Resident and (name of facility)."

c) *Before a licensee* (any facility licensed under the Act) *enters a contract under Section 2-202 of the Act, it shall provide the prospective resident and his guardian, if any, with written notice of the licensee's policy regarding discharge of a resident whose private funds for payment of care are exhausted.* (Section 2-202(a) of the Act)

d) *A resident shall not be discharged or transferred at the expiration of the term of a contract, except as provided in Sections 3-401 through 3-423 of the Act.* (Section 2-202(b) of the Act)

e) *At the time of the resident's admission to the facility, a copy of the contract shall be given to the resident, his guardian, if any, and any other person who executed the contract.* (Section 2-202(c) of the Act)

f) The contract shall be signed by the licensee or his agent. The title of each person signing the contract for the facility shall be clearly indicated next to each such signature. The nursing home administrator may sign as the agent of the licensee.

g) The contract shall be signed by, or for, the resident, as described in subsection (a) of this Section. If any person other than the principal signatory is to be held individually responsible for payments due under the contract, that person shall also sign the contract on a separate signature line labelled "signature of responsible party" or "signature of guarantor."

h) The contract shall include a definition of "responsible party" or

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"guarantor," which describes in full the liability incurred by any such person.

i) *A copy of the contract for a resident who is supported by nonpublic funds other than the resident's own funds shall be made available to the person providing the funds for the resident's support.* (Section 2-202(d) of the Act)

j) *The original or a copy of the contract shall be maintained in the facility and be made available upon request to representatives of the Department and the Department of Public Aid.* (Section 2-202(e) of the Act)

k) *The contract shall be written in clear and unambiguous language and shall be printed in not less than 12 point type.* (Section 2-202(f) of the Act)

l) *The contract shall specify the term of the contract.* (Section 2-202(g)(1) of the Act) The term can be until a certain date or event. If a certain date is specified in the contract, an addendum can extend the term of the contract to another date certain or on a month-to-month basis.

m) Services Provided and Charges

1) *The contract shall specify the services to be provided under the contract and the charges for the services.* (Section 2-202(g)(2) of the Act)

2) A paragraph shall itemize the services and products to be provided by the facility and express the costs of the itemized services and products to be provided either in terms of a daily, weekly, monthly or yearly rate, or in terms of a single fee.

3) The contract may provide that the charges for services may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

n) *The contract shall specify the services that may be provided to supplement the contract and the charges for the services.* (Section 2-202(g)(3) of the Act)

1) A paragraph shall itemize all services and products offered by the facility or related institutions which are not covered by the rate or fee established in subsection (m) of this Section. If a separate rate or fee for any such supplemental service or product can be calculated with definiteness at the time the contract is executed, then such additional cost shall be specified in the contract.

2) If the cost of any itemized service or product to be provided by the facility or related institutions to the resident cannot be established or predicted with definiteness at the time of the resident's admission to the facility or at the time of the execution of the contract, then no cost for that service or

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product need be stated in the contract. But the contract shall include a statement explaining the resident's liability for such itemized service or product and explaining that the resident will be receiving a bill for such itemized service or product beyond and in addition to any rate or fee set forth in the contract.

3) The contract may provide that the charges for services and products not covered by the rate or fee established in subsection (1) may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

o) *The contract shall specify the sources liable for payments due under the contract.* (Section 2-202(g)(4) of the Act)

p) Deposit Provisions

1) *The contract shall specify the amount of deposit paid.* (Section 2-202(g)(5) of the Act)

2) Such amount shall be expressed in terms of a precise number of dollars and be clearly designated as a deposit. The contract shall specify when such deposit shall be paid by the resident, and the contract shall specify when such deposit shall be returned by the facility. The contract shall specify the conditions (if any) which must be satisfied by the resident before the facility shall return the deposit. Upon the satisfaction of all such conditions, the deposit shall be returned to the resident. If the deposit is nonrefundable, the contract shall provide express notice of such nonrefundability,

q) *The contract shall specify the rights, duties and obligations of the resident, except that the specification of a resident's rights may be furnished on a separate document which complies with the requirements of Section 2-211 of the Act.* (Section 2-202(g)(6) of the Act)

r) *The contract shall designate the name of the resident's representative, if any. The resident shall provide the facility with a copy of the written agreement between the resident and the resident's representative which authorizes the resident's representative to inspect and copy the resident's records and authorizes the resident's representative to execute the contract on behalf of the resident required by Section 2-202 of the Act.* (Section 2-202(h) of the Act)

s) *The contract shall provide that if the resident is compelled by a change in physical or mental health to leave the facility, the contract and all obligations under it shall terminate on seven days notice. It shall also provide that in all other situations, a resident may terminate the contract and all obligations under it with 30 days notice. All charges shall be prorated as of the date on which the contract terminates, and, if any payments have been made in*

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advance, the excess shall be refunded to the resident. This provision shall not apply to life-care contracts through which a facility agrees to provide maintenance and care for a resident throughout the remainder of the resident's life nor to continuing-care contracts through which a facility agrees to supplement all available forms of financial support in providing maintenance and care for a resident throughout the remainder of the resident's life. (Section 2-202(i) of the Act)

t) All facilities which offer to provide a resident *with nursing services, medical services or personal care services, in addition to maintenance services, conditioned upon the transfer of an entrance fee to the provider of such services in addition to or in lieu of the payment of regular periodic charges for the care and services involved,* for a term in excess of one year or for life pursuant to a life care contract, shall meet all of the provisions of the Life Care Facilities Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 4160-1 et seq.) [210 ILCS 40], including the obtaining of a permit from the Department, before they may enter into such contracts. (Section 2(c) of the Life Care Facilities Act)

u) *In addition to all other contract specifications contained in this Section, admission contracts shall also specify:*

1) *whether the facility accepts Medicaid clients;*

2) *whether the facility requires a deposit of the resident or his family prior to the establishment of Medicaid eligibility;*

3) *in the event that a deposit is required, a clear and concise statement of the procedure to be followed for the return of such deposit to the resident or the appropriate family member or guardian of the person;*

4) *that all deposits made to a facility by a resident, or on behalf of a resident, shall be returned by the facility within 30 days of the establishment of Medicaid eligibility, unless such deposits must be drawn upon or encumbered in accordance with Medicaid eligibility requirements established by the Illinois Department of Public Aid.* (Section 2-202(j) of the Act)

v) *It shall be a business offense for a facility to knowingly and intentionally both retain a resident's deposit and accept Medicaid payments on behalf of the resident.* (Section 2-202(k) of the Act)

(Source: Amended at 17 Ill. Reg. _____, effective November 20, 1993)

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1) Heading of the Part:

Sheltered Care Facilities Code

2) Code Citation:

77 Ill. Adm. Code 330

3) Section Numbers: Adopted Action:

330.730 Amendments

4) Statutory Authority:

Nursing Home Care Act
Ill. Rev. Stat. 1991, ch. 111 1/2, pars. 4151-101 et seq.
[210 ILCS 45]

5) Effective Date of Rules:

November 20, 1993

6) Does this Rulemaking Contain an Automatic Repeal Date? Yes___ No_X_

If "yes," please specify date: _____

7) Does this Rulemaking Contain Any Incorporations By Reference? Yes___ No_X_

8) Date Filed in Agency's Principal Office:

November 20, 1993

9) Date Notice(s) of Proposal was Published in Illinois Register:

November 20, 1992 - 16 Ill. Reg. 17540

10) Has the Joint Committee on Administrative Rules issued a Statement of Objections to this/these Rules? Yes _____ No __X_____

If "yes," please complete the following:

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A) Statement of Objection: _____, _____Ill. Reg. _____

B) Agency Response: _____, _____Ill. Reg. _____

C) Date Agency Response Submitted for Approval to the Joint Committee:

_____

11) Difference Between Proposal and Final Version:

The following changes were made in response to comments received during the first notice or public comment period:

None

The following changes were made in response to comments and suggestions of the Joint Committee on Administrative Rules:

None (see below)

In addition, various typographical, grammatical and form changes were made in response to the comments from the Administrative Code Division and the Joint Committee on Administrative Rules. These adopted amendments also reflect amendments to Section 330.730 that were adopted subsequent to the publication of these amendments.

12) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

The Department has made all the changes to which it agreed with the Joint Committee.

13) Will the Rules Replace an Emergency Rule Currently in Effect?

Yes _____ No __X__

14) Are there any other Amendments Pending on this Part?

Yes_X_ No____

If Yes:

Section Numbers	Proposed Action	Ill. Reg. Citation
330.120	Amendments	17 Ill. Reg. 12188

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330.140	Amendments	17 Ill. Reg. 12188
330.150	Amendments	17 Ill. Reg. 12188
330.160	Amendments	17 Ill. Reg. 12188
330.282	Amendments	17 Ill. Reg. 12188

15) Summary and Purpose of Rules:

The rules in Part 330 govern the licensure of sheltered care facilities. The Department is amending its rules in response to a petition for rulemaking submitted by the Illinois Health Care Association (Association) pursuant to Section 5-145 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1005-145 [5 ILCS 100/5-145] and the Department's rules entitled "Public Information, Rulemaking and Organization Code" (77 Ill. Adm. Code 1125). The Association requested that the Department amend Section 330.730 (Contract Between Resident and Facility) to state that the contract may provide that the charges for services may be changed with thirty days advance written notice to the resident or the person executing the contract on behalf of the resident. The written notice will become an addendum to the contract.

16) Information and Questions regarding this Adopted Rulemaking shall be directed to:

Ms. Gail DeVito, Division of Governmental Affairs, Department of Public Health, 535 West Jefferson, Fifth Floor, Springfield, Illinois 62761, 217/782-6187.

The full text of the Adopted Amendments begins on the next page:

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NOTICE OF ADOPTED AMENDMENT(S)

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIES

PART 330
SHELTERED CARE FACILITIES CODE

SUBPART A: GENERAL PROVISIONS

Section
330.110 General Requirements
330.120 Application for License
330.130 Licensee
330.140 Issuance of an Initial License For a New Facility
330.150 Issuance of an Initial License Due to a Change of Ownership
330.160 Issuance of a Renewal License
330.165 Criteria for Adverse Licensure Actions
330.170 Denial of Initial License
330.175 Denial of Renewal of License
330.180 Revocation of License
330.190 Experimental Program Conflicting With Requirements
330.200 Inspections, Surveys, Evaluations and Consultation
330.210 Filing an Annual Attested Financial Statement
330.220 Information to be Made Available to the Public By the Department
330.230 Information to be Made Available to the Public By the Licensee
330.240 Municipal Licensing
330.250 Ownership Disclosure
330.260 Issuance of Conditional Licenses
330.270 Monitoring and Receivership
330.271 Presentation of Findings
330.272 Determination to Issue a Notice of Violation or Administrative Warning
330.274 Determination of the Level of a Violation
330.276 Notice of Violation
330.277 Administrative Warning
330.278 Plans of Correction
330.280 Reports of Correction
330.282 Conditions for Assessment of Penalties
330.284 Calculation of Penalties
330.286 Determination to Assess Penalties
330.288 Reduction or Waiver of Penalties
330.290 Quarterly List of Violators
330.300 Alcoholism Treatment Programs In Long-Term Care Facilities
330.310 Department May Survey Facilities Formerly Licensed
330.320 Waivers
330.330 Definitions
330.340 Incorporated and Referenced Materials

SUBPART B: ADMINISTRATION

DEPARTMENT OF PUBLIC HEALTH

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Section
330.510 Administrator

SUBPART C: POLICIES

Section
330.710 Resident Care Policies
330.720 Admission and Discharge Policies
330.730 Contract Between Resident and Facility
330.740 Residents' Advisory Council
330.750 General Policies
330.760 Personnel Policies
330.765 Initial Health Evaluation for Employees
330.770 Disaster Preparedness
330.780 Serious Incidents and Accidents

SUBPART D: PERSONNEL

Section
330.910 Personnel
330.913 Nursing and Personal Care Assistants (Repealed)
330.916 Student Interns (Repealed)
330.920 Consultation Services
330.930 Personnel Policies

SUBPART E: HEALTH SERVICES AND MEDICAL CARE OF RESIDENTS

Section
330.1110 Medical Care Policies
330.1120 Personal Care
330.1125 Life-Sustaining Treatments
330.1130 Communicable Disease Policies
330.1135 Tuberculin Skin Test Procedures
330.1140 Behavior Emergencies

SUBPART F: RESTORATIVE SERVICES

Section
330.1310 Activity Program
330.1320 Work Programs
330.1330 Written Policies for Restorative Services

SUBPART G: MEDICATIONS

Section
330.1510 Medication Policies
330.1520 Administration of Medication
330.1530 Labeling and Storage of Medications

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SUBPART H: RESIDENT AND FACILITY RECORDS

Section
330.1710 Resident Record Requirements
330.1720 Content of Medical Records
330.1730 Records Pertaining to Residents' Property
330.1740 Retention and Transfer of Resident Records
330.1750 Other Resident Record Requirements
330.1760 Retention of Facility Records
330.1770 Other Facility Record Requirements

SUBPART I: FOOD SERVICE

Section
330.1910 Director of Food Services
330.1920 Dietary Staff in Addition to Director of Food Services
330.1930 Hygiene of Dietary Staff
330.1940 Diet Orders
330.1950 Adequacy of Diet and Meal Pattern
330.1960 Therapeutic Diets
330.1970 Scheduling of Meals
330.1980 Menu Planning
330.1990 Food Preparation and Service
330.2000 Food Handling Sanitation
330.2010 Kitchen Equipment, Utensils, and Supplies

SUBPART J: MAINTENANCE, HOUSEKEEPING AND LAUNDRY

Section
330.2210 Maintenance
330.2220 Housekeeping
330.2230 Laundry Services

SUBPART K: FURNISHINGS, EQUIPMENT, AND SUPPLIES

Section
330.2410 Furnishings
330.2420 Equipment and Supplies

SUBPART L: WATER SUPPLY AND SEWAGE DISPOSAL

Section
330.2610 Codes
330.2620 Water Supply
330.2630 Sewage Disposal
330.2640 Plumbing

SUBPART M: DESIGN AND CONSTRUCTION STANDARDS FOR NEW SHELTERED CARE FACILITIES

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Section
330.2810 Applicable Requirements (Repealed)
330.2820 Applicability of These Standards
330.2830 Submission of a Program Narrative
330.2840 New Constructions, Additions, Conversions, and Alterations
330.2850 Preparation and Submission of Drawings and Specifications
330.2860 First Stage Drawings
330.2870 Second Stage Drawings
330.2880 Architectural Drawings
330.2890 Structural Drawings
330.3000 Mechanical Drawings
330.3010 Electrical Drawings
330.3020 Additions to Existing Structures
330.3030 Specifications
330.3040 Building Codes
330.3050 Site
330.3060 General Building Requirements
330.3070 Administration
330.3080 Corridors
330.3090 Bath and Toilet Rooms
330.3100 Living, Dining, Activity Rooms
330.3110 Bedrooms
330.3120 Special Care Room
330.3130 Kitchen
330.3140 Laundry
330.3150 Housekeeping, Service, and Storage
330.3160 Plumbing
330.3170 Heating
330.3180 Electrical

SUBPART N: FIRE PROTECTION STANDARDS FOR NEW SHELTERED CARE FACILITIES

Section
330.3310 Applicable Requirements (Repealed)
330.3320 Applicability of These Standards
330.3330 Fire Protection
330.3340 Fire Department Service and Water Supply
330.3350 General Building Requirements
330.3360 Exit Facilities and Subdivision of Floor Areas
330.3370 Stairways, Vertical Openings, and Doorways
330.3380 Corridors
330.3390 Exit Lights and Directional Signs
330.3400 Hazardous Areas and Combustible Storage
330.3410 Fire Alarm and Detection System
330.3420 Fire Extinguishers, Electric Wiring, and Miscellaneous
330.3430 Use of Fire Extinguishers, Evacuation Plan, and Fire Drills

SUBPART O: DESIGN AND CONSTRUCTION STANDARDS FOR

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EXISTING SHELTERED CARE FACILITIES

Section
330.3610 Site
330.3620 General Building Requirements
330.3630 Administration
330.3640 Corridors
330.3650 Bath and Toilet Rooms
330.3660 Living, Dining, and Activity Rooms
330.3670 Bedrooms
330.3680 Special Care Room
330.3690 Kitchen
330.3700 Laundry Room
330.3710 Housekeeping and Service Rooms and Storage Space
330.3720 Plumbing and Heating
330.3730 Electrical

SUBPART P: FIRE PROTECTION STANDARDS FOR EXISTING SHELTERED CARE FACILITIES

Section
330.3910 Fire Protection
330.3920 Fire Department Service and Water Supply
330.3930 Occupancy and Fire Areas
330.3940 Exit Facilities and Subdivision of Floor Areas
330.3950 Stairways, Vertical Openings, and Doorways
330.3960 Exit and Fire Escape Lights and Directional Signs
330.3970 Hazardous Areas and Combustible Storage
330.3980 Fire Alarm and Detection System
330.3990 Fire Extinguishers, Electric Wiring, and Miscellaneous
330.4000 Use of Fire Extinguishers, Evacuation Plan, and Fire Drills

SUBPART Q: RESIDENT'S RIGHTS

Section
330.4210 General
330.4220 Medical and Personal Care Program
330.4230 Restraints
330.4240 Abuse and Neglect
330.4250 Communication and Visitation
330.4260 Resident's Funds
330.4270 Residents' Advisory Council
330.4280 Contract With Facility
330.4290 Private Right of Action
330.4300 Transfer or Discharge
330.4310 Complaint Procedures
330.4320 Confidentiality
330.4330 Facility Implementation

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SUBPART R: DAY CARE PROGRAMS

Section
330.4510 Day Care In Long-Term Care Facilities

APPENDIX A Interpretation, Components, and Illustrative Services for Sheltered Care Facilities
APPENDIX B Classification of Distinct Part of a Facility For Different Levels of Service (Repealed)
APPENDIX C Forms for Day Care in Long-Term Care Facilities
APPENDIX D Criteria for Activity Directors Who Need Only Minimal Consultation
TABLE A Disaster Preparedness Parameters -- Relative Humidity and Temperature

AUTHORITY: Implementing and authorized by the Nursing Home Care Act (Ill. Rev. Stat. 1991, ch. 111 1/2, pars. 4151-101 et seq.) [210 ILCS 45].

SOURCE: Emergency rules adopted at 4 Ill. Reg. 10, p. 807, effective March 1, 1980, for a maximum of 150 days; adopted at 4 Ill. Reg. 30, p. 933, effective July 28, 1980; amended at 6 Ill. Reg. 5981, effective May 3, 1982; amended at 6 Ill. Reg. 8198, effective June 29, 1982; amended at 6 Ill. Reg. 14547, effective November 8, 1982; amended at 6 Ill. Reg. 14681, effective November 15, 1982; amended at 7 Ill. Reg. 1963, effective January 28, 1983; amended at 7 Ill. Reg. 6973, effective May 17, 1983; amended at 7 Ill. Reg. 15825, effective November 15, 1983; amended at 8 Ill. Reg. 15596, effective August 15, 1984; amended at 8 Ill. Reg. 15941, effective August 17, 1984; codified at 8 Ill. Reg. 19790; amended at 8 Ill. Reg. 24241, effective November 28, 1984; amended at 8 Ill. Reg. 24696, effective December 7, 1984; amended at 9 Ill. Reg. 2952, effective February 25, 1985; amended at 9 Ill. Reg. 10974, effective July 1, 1985; amended at 11 Ill. Reg. 16879, effective October 1, 1987; amended at 12 Ill. Reg. 1017, effective December 24, 1987; amended at 12 Ill. Reg. 16870, effective October 1, 1988; emergency amendment at 12 Ill. Reg. 18939, effective October 24, 1988, for a maximum of 150 days; emergency expired March 23, 1989; amended at 13 Ill. Reg. 6562, effective April 17, 1989; amended at 13 Ill. Reg. 19580, effective December 1, 1989; amended at 14 Ill. Reg. 14928, effective October 1, 1990; amended at 15 Ill. Reg. 516, effective January 1, 1991; amended at 16 Ill. Reg. 651, effective January 1, 1992; amended at 16 Ill. Reg. 14370, effective September 3, 1992; emergency amendment at 17 Ill. Reg. 2405, effective February 3, 1993, for a maximum of 150 days; emergency expired on July 3, 1993; emergency amendment at 17 Ill. Reg. 8000, effective May 6, 1993, for a maximum of 150 days; emergency expired on October 3, 1993; amended at 17 Ill. Reg. 15089, effective September 3, 1993; amended at 17 Ill. Reg. 16180, effective January 1, 1994; amended at 17 Ill. Reg. 19258, effective October 26, 1993; amended at 17 Ill. Reg. _____, effective November 4, 1993; amended at 17 Ill. Reg. _____, effective November 20, 1993.

SUBPART C: POLICIES

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Section 330.730 Contract Between Resident and Facility

a) Contract Execution

1) *Before a person is admitted to a facility, or at the expiration of the period of previous contract, or when the source of payment for the resident's care changes from private to public funds or from public to private funds, a written contract shall be executed between a licensee and the following in order of priority:*

A) *The person, or if the person is a minor, his parent or guardian; or*

B) *The person's guardian, if any, or agent, if any, as defined in Section 11a-23 of the "Probate Act of 1975"; or*

C) *A member of the person's immediate family.* (Section 2-202(a) of the Act)

2) *An adult person shall be presumed to have the capacity to contract for admission to a long-term care facility unless he has been adjudicated a "disabled person" within the meaning of Section 11a-2 of the Probate Act of 1975, or unless a petition for such an adjudication is pending in a circuit court of Illinois.* (Section 2-202(a) of the Act)

3) *If there is no guardian, agent or member of the person's immediate family available, able or willing to execute the contract required by Section 2-202 of the Act and a physician determines that a person is so disabled as to be unable to consent to placement in a facility, or if a person has already been found to be a "disabled person," but no order has been entered allowing residential placement of the person, that person may be admitted to a facility before the execution of a contract required by that Section; provided that a petition for guardianship or for modification of guardianship is filed within 15 days of the person's admission to a facility, and provided further that such a contract is executed within ten days of the disposition of the petition.* (Section 2-202(a) of the Act)

4) *No adult shall be admitted to a facility if he objects, orally or in writing, to such admission, except as otherwise provided in Chapters III and IV of the Mental Health and Developmental Disabilities Code, as amended, or Section 11a-14.1 of the "Probate Act of 1975, as amended.* (Section 2-202(a) of the Act)

5) If on the effective date of this Part, a person has not executed a contract as required by Section 2-202 of the Act, then such a contract shall be executed by, or on behalf of, the person, within ten days of the effective date of this Part, unless a petition has been filed for guardianship or modification of guardianship. If a petition for guardianship or modification of guardianship has been filed, and there is no guardian, agent or member of the person's immediate family available, able, or willing to execute the contract at that time, then a contract shall be executed within ten days of the disposition of such

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petition.

b) The contract shall be clearly and unambiguously entitled, "Contract Between Resident and (name of facility)."

c) *Before a licensee* (any facility licensed under the Act) *enters a contract under Section 2-202 of the Act, it shall provide the prospective resident and his guardian, if any, with written notice of the licensee's policy regarding discharge of a resident whose private funds for payment of care are exhausted.* (Section 2-202(a) of the Act)

d) *A resident shall not be discharged or transferred at the expiration of the term of a contract, except as provided in Sections 3-401 through 3-423 of the Act.* (Section 2-202(b) of the Act)

e) *At the time of the resident's admission to the facility, a copy of the contract shall be given to the resident, his guardian, if any, and any other person who executed the contract.* (Section 2-202(c) of the Act)

f) The contract shall be signed by the licensee or his agent. The title of each person signing the contract for the facility shall be clearly indicated next to each such signature. The nursing home administrator may sign as the agent of the licensee.

g) The contract shall be signed by, or for, the resident, as described in subsection (a) of this Section. If any person other than the principal signatory is to be held individually responsible for payments due under the contract that person shall also sign the contract, on a separate signature line labelled "signature of responsible party" or "signature of guarantor."

h) The contract shall include a definition of "responsible party" or "guarantor," which describes in full the liability incurred by any such person.

i) *A copy of the contract for a resident who is supported by nonpublic funds other than the resident's own funds shall be made available to the person providing the funds for the resident's support.* (Section 2-202(d) of the Act)

j) *The original or a copy of the contract shall be maintained in the facility and be made available upon request to representatives of the Department and the Department of Public Aid.* (Section 2-202(e) of the Act)

k) *The contract shall be written in clear and unambiguous language and shall be printed in not less than 12 point type.* (Section 2-202(f) of the Act)

l) *The contract shall specify the term of the contract.* (Section 2-202(g)(1) of the Act) The term can be until a certain date or event. If a certain date is specified in the contract, an addendum can extend the term of the contract to another date certain or on a month-to-month basis.

m) Services Provided and Charges

1) *The contract shall specify the services to be provided under the contract and the charges for the services.* (Section 2-202(g)(2) of the Act)

2) A paragraph shall itemize the services and products to be provided by the facility and express the costs of the itemized

services and products to be provided either in terms of a daily, weekly, monthly or yearly rate, or in terms of a single fee.

3) The contract may provide that the charges for services may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contact.

n) *The contract shall specify the services that may be provided to supplement the contract and the charges for the services.* (Section 2-202(g)(3) of the Act)

1) A paragraph shall itemize all services and products offered by the facility or related institutions which are not covered by the rate or fee established in subsection (m) of this Section. If a separate rate or fee for any such supplemental service or product can be calculated with definiteness at the time the contract is executed, then such additional cost shall be specified in the contract.

2) If the cost of any itemized service or product to be provided by the facility or related institutions to the resident cannot be established or predicted with definiteness at the time of the resident's admission to the facility or at the time of the execution of the contract, then no cost for that service or product need be stated in the contract. But the contract shall include a statement explaining the resident's liability for such itemized service or product and explaining that the resident will be receiving a bill for such itemized service or product beyond and in addition to any rate or fee set forth in the contract.

3) The contract may provide that the charges for services and products not covered by the rate or fee established in subsection (1) may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

o) *The contract shall specify the sources liable for payments due under the contract.* (Section 2-202(g)(4) of the Act)

p) Deposit Provisions

1) *The contract shall specify the amount of deposit paid.* (Section 2-202(g)(5) of the Act)

2) Such amount shall be expressed in terms of a precise number of dollars and be clearly designated as a deposit. The contract shall specify when such deposit shall be paid by the resident, and the contract shall specify when such deposit shall be returned by the facility. The contract shall specify the

conditions (if any) which must be satisfied by the resident before the facility shall return the deposit. Upon the satisfaction of all such conditions, the deposit shall be returned to the resident. If the deposit is nonrefundable, the contract shall provide express notice of such nonrefundability.

q) *The contract shall specify the rights, duties and obligations of the resident, except that the specification of a resident's rights may be furnished on a separate document which complies with the requirements of Section 2-211 of the Act.* (Section 2-202(g)(6) of the Act)

r) *The contract shall designate the name of the resident's representative, if any. The resident shall provide the facility with a copy of the written agreement between the resident and the resident's representative which authorizes the resident's representative to inspect and copy the resident's records and authorizes the resident's representative to execute the contract on behalf of the resident required by Section 2-202 of the Act.* (Section 202(h) of the Act)

s) *The contract shall provide that if the resident is compelled by a change in physical or mental health to leave the facility, the contract and all obligations under it shall terminate on seven days notice. It shall also provide that in all other situations, a resident may terminate the contract and all obligations under it with 30 days notice. All charges shall be prorated as of the date on which the contract terminates, and, if any payments have been made in advance, the excess shall be refunded to the resident. This provision shall not apply to life-care contracts through which a facility agrees to provide maintenance and care for a resident throughout the remainder of the resident's life nor to continuing-care contracts through which a facility agrees to supplement all available forms of financial support in providing maintenance and care for a resident throughout the remainder of the resident's life.* (Section 2-202(i) of the Act)

t) All facilities which offer to provide a resident with *nursing services, medical services or personal care services, in addition to maintenance services, conditioned upon the transfer of an entrance fee to the provider of such services in addition to or in lieu of the payment of regular periodic charges for the care and services involved,* for a term in excess of one year or for life pursuant to a life care contract, shall meet all of the provisions of the Life Care Facilities Act, (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 4160-1 et seq.) [210 ILCS 40], including the obtaining of a permit from the Department, before they may enter into such contracts. (Section 2(c) of the Life Care Facilities Act)

u) *In addition to all other contract specifications contained in this Section, admission contracts shall also specify:*

1) *whether the facility accepts Medicaid clients;*

2) *whether the facility requires a deposit of the resident or his family prior to the establishment of Medicaid eligibility;*

3) *in the event that a deposit is required, a clear and concise*

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statement of the procedure to be followed for the return of such deposit to the resident or the appropriate family member or guardian of the person;

4) *that all deposits made to a facility by a resident, or on behalf of a resident, shall be returned by the facility within 30 days of the establishment of Medicaid eligibility, unless such deposits must be drawn upon or encumbered in accordance with Medicaid eligibility requirements established by the Illinois Department of Public Aid.* (Section 2-202(j) of the Act)

v) *It shall be a business offense for a facility to knowingly and intentionally both retain a resident's deposit and accept Medicaid payments on behalf of the resident.* (Section 2-202(k) of the Act)

(Source: Amended at 17 Ill. Reg. _____, effective November 20, 1993)

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1) Heading of the Part:

Skilled Nursing and Intermediate Care Facilities Code

2) Code Citation:

77 Ill. Adm. Code 300

3) Section Numbers: Adopted Action:

300.630 Amendments

4) Statutory Authority:

Nursing Home Care Act
Ill. Rev. Stat. 1991, ch. 111 1/2, pars. 4151-101 et seq.
[210 ILCS 45]

5) Effective Date of Rules:

November 20, 1993

6) Does this Rulemaking Contain an Automatic Repeal Date? Yes___ No_X_

If "yes," please specify date: _____

7) Does this Rulemaking Contain Any Incorporations By Reference? Yes___ No_X_

8) Date Filed in Agency's Principal Office:

November 20, 1993

9) Date Notice(s) of Proposal was Published in Illinois Register:

November 20, 1992 - 16 Ill. Reg. 17555

10) Has the Joint Committee on Administrative Rules issued a Statement of Objections to this/these Rules? Yes _____ No ___X_____

If "yes," please complete the following:

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A) Statement of Objection: _____, _____Ill. Reg. _____

B) Agency Response: _____, _____Ill. Reg. _____

C) Date Agency Response Submitted for Approval to the Joint Committee:

_____

11) Difference Between Proposal and Final Version:

The following changes were made in response to comments received during the first notice or public comment period:

None

The following changes were made in response to comments and suggestions of the Joint Committee on Administrative Rules:

None (see below)

In addition, various typographical, grammatical and form changes were made in response to the comments from the Administrative Code Division and the Joint Committee on Administrative Rules. These adopted amendments also reflect amendments to Section 300.630 that were adopted subsequent to the publication of these amendments.

12) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

The Department has made all the changes to which it agreed with the Joint Committee.

13) Will the Rules Replace an Emergency Rule Currently in Effect?

Yes _____ No __X__

14) Are there any other Amendments Pending on this Part?

Yes_X_ No____

If Yes:

Section Numbers	Proposed Action	Ill. Reg. Citation
300.120	Amendments	17 Ill. Reg. 12205

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300.140	Amendments	17 Ill. Reg. 12205
300.150	Amendments	17 Ill. Reg. 12205
300.160	Amendments	17 Ill. Reg. 12205
300.282	Amendments	17 Ill. Reg. 12205
300.2860	Amendments	17 Ill. Reg. 12205

15) Summary and Purpose of Rules:

The rules in Part 300 govern the licensure of skilled nursing and intermediate care facilities. The Department is amending its rules in response to a petition for rulemaking submitted by the Illinois Health Care Association (Association) pursuant to Section 5-145 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1005-145 [5 ILCS 100/5-145] and the Department's rules entitled "Public Information, Rulemaking and Organization Code" (77 Ill. Adm. Code 1125). The Association requested that the Department amend Section 300.630 (Contract Between Resident and Facility) to state that the contract may provide that the charges for services may be changed with thirty days advance written notice to the resident or the person executing the contract on behalf of the resident. The written notice will become an addendum to the contract.

16) Information and Questions regarding this Adopted Rulemaking shall be directed to:

Ms. Gail DeVito, Division of Governmental Affairs, Department of Public Health, 535 West Jefferson, Fifth Floor, Springfield, Illinois 62761, 217/782-6187.

The full text of the Adopted Amendments begins on the next page:

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TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIES

PART 300
SKILLED NURSING AND INTERMEDIATE CARE FACILITIES CODE

SUBPART A: GENERAL PROVISIONS

Section
300.110 General Requirements
300.120 Application for License
300.130 Licensee
300.140 Issuance of an Initial License for a New Facility
300.150 Issuance of an Initial License Due to a Change of Ownership
300.160 Issuance of a Renewal License
300.165 Criteria for Adverse Licensure Actions
300.170 Denial of Initial License
300.175 Denial of Renewal of License
300.180 Revocation of License
300.190 Experimental Program Conflicting With Requirements
300.200 Inspections, Surveys, Evaluations and Consultation
300.210 Filing an Annual Attested Financial Statement
300.220 Information to Be Made Available to the Public By the Department
300.230 Information to Be Made Available to the Public By the Licensee
300.240 Municipal Licensing
300.250 Ownership Disclosure
300.260 Issuance of Conditional Licenses
300.270 Monitor and Receivership
300.271 Presentation of Findings
300.272 Determination to Issue a Notice of Violation or Administrative Warning
300.274 Determination of the Level of a Violation
300.276 Notice of Violation
300.277 Administrative Warning
300.278 Plans of Correction
300.280 Reports of Correction
300.282 Conditions for Assessment of Penalties
300.284 Calculation of Penalties
300.286 Determination to Assess Penalties
300.288 Reduction or Waiver of Penalties
300.290 Quarterly List of Violators
300.300 Alcoholism Treatment Programs In Long-Term Care Facilities
300.310 Department May Survey Facilities Formerly Licensed
300.320 Waivers
300.330 Definitions
300.340 Incorporated and Referenced Materials

SUBPART B: ADMINISTRATION

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Section
300.510 Administrator

SUBPART C: POLICIES

Section
300.610 Resident Care Policies
300.620 Admission and Discharge Policies
300.630 Contract Between Resident and Facility
300.640 Residents' Advisory Council
300.650 Personnel Policies
300.655 Initial Health Evaluation for Employees
300.660 Nursing Assistants
300.665 Student Interns
300.670 Disaster Preparedness
300.680 Restraints and Safety Devices
300.690 Serious Incidents and Accidents

SUBPART D: PERSONNEL

Section
300.810 General
300.820 Categories of Personnel
300.830 Consultation Services
300.840 Personnel Policies

SUBPART E: MEDICAL AND DENTAL CARE OF RESIDENTS

Section
300.1010 Medical Care Policies
300.1020 Communicable Disease Policies
300.1025 Tuberculin Skin Test Procedures
300.1030 Medical Emergencies
300.1035 Life-Sustaining Treatments
300.1040 Behavior Emergencies
300.1050 Dental Standards

SUBPART F: NURSING AND PERSONAL CARE

Section
300.1210 General Requirements for Nursing and Personal Care
300.1220 Supervision of Nursing Services
300.1230 Staffing
300.1240 Additional Requirements

SUBPART G: RESIDENT CARE SERVICES

Section
300.1410 Activity Program

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300.1420 Specialized Rehabilitation Services
300.1430 Work Programs

SUBPART H: MEDICATIONS

Section
300.1610 Medication Policies and Procedures
300.1620 Conformance With Physician's Orders
300.1630 Administration of Medication
300.1640 Labeling and Storage of Medications
300.1650 Control of Medications

SUBPART I: RESIDENT AND FACILITY RECORDS

Section
300.1810 Resident Record Requirements
300.1820 Content of Medical Records
300.1830 Records Pertaining to Residents' Property
300.1840 Retention and Transfer of Resident Records
300.1850 Other Resident Record Requirements
300.1860 Staff Responsibility for Medical Records
300.1870 Retention of Facility Records
300.1880 Other Facility Record Requirements

SUBPART J: FOOD SERVICE

Section
300.2010 Director of Food Services
300.2020 Dietary Staff in Addition to Director of Food Services
300.2030 Hygiene of Dietary Staff
300.2040 Diet Orders
300.2050 Adequacy of Diet and Meal Pattern
300.2060 Therapeutic Diets
300.2070 Scheduling Meals
300.2080 Menu Planning
300.2090 Food Preparation and Service
300.2100 Food Handling Sanitation
300.2110 Kitchen Equipment, Utensils, and Supplies

SUBPART K: MAINTENANCE, HOUSEKEEPING, AND LAUNDRY

Section
300.2210 Maintenance
300.2220 Housekeeping
300.2230 Laundry Services

SUBPART L: FURNISHINGS, EQUIPMENT, AND SUPPLIES

Section

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300.2410 Furnishings
300.2420 Equipment and Supplies
300.2430 Sterilization of Equipment and Supplies

SUBPART M: WATER SUPPLY AND SEWAGE DISPOSAL

Section
300.2610 Codes
300.2620 Water Supply
300.2630 Sewage Disposal
300.2640 Plumbing

SUBPART N: DESIGN AND CONSTRUCTION STANDARDS FOR NEW INTERMEDIATE CARE AND SKILLED NURSING FACILITIES

Section
300.2810 Applicability of these Standards
300.2820 Codes and Standards
300.2830 Preparation of Drawings and Specifications
300.2840 Site
300.2850 Administration and Public Areas
300.2860 Nursing Unit
300.2870 Dining, Living, Activities Rooms
300.2880 Therapy and Personal Care
300.2890 Service Departments
300.2900 General Building Requirements
300.2910 Structural
300.2920 Mechanical Systems
300.2930 Plumbing Systems
300.2940 Electrical Systems

SUBPART O: DESIGN AND CONSTRUCTION STANDARDS FOR EXISTING INTERMEDIATE CARE AND SKILLED NURSING FACILITIES

Section
300.3010 Applicability
300.3020 Codes and Standards
300.3030 Preparation of Drawings and Specifications
300.3040 Site
300.3050 Administration and Public Areas
300.3060 Nursing Unit
300.3070 Living, Dining, Activities Rooms
300.3080 Treatment and Personal Care
300.3090 Service Departments
300.3100 General Building Requirements
300.3110 Structural
300.3120 Mechanical Systems
300.3130 Plumbing Systems
300.3140 Electrical Requirements

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SUBPART P: RESIDENT'S RIGHTS

Section
300.3210 General
300.3220 Medical and Personal Care Program
300.3230 Restraints
300.3240 Abuse and Neglect
300.3250 Communication and Visitation
300.3260 Resident's Funds
300.3270 Residents' Advisory Council
300.3280 Contract With Facility
300.3290 Private Right of Action
300.3300 Transfer or Discharge
300.3310 Complaint Procedures
300.3320 Confidentiality
300.3330 Facility Implementation

SUBPART Q: SPECIALIZED LIVING FACILITIES FOR THE MENTALLY ILL

Section
300.3410 Application of Other Divisions of These Minimum Standards
300.3420 Administrator
300.3430 Policies
300.3440 Personnel
300.3450 Resident Living Services Medical and Dental Care
300.3460 Resident Services Program
300.3470 Psychological Services
300.3480 Social Services
300.3490 Recreational and Activities Services
300.3500 Individual Treatment Plan
300.3510 Health Services
300.3520 Medical Services
300.3530 Dental Services
300.3540 Optometric Services
300.3550 Audiometric Services
300.3560 Podiatric Services
300.3570 Occupational Therapy Services
300.3580 Nursing and Personal Care
300.3590 Resident Care Services
300.3600 Record Keeping
300.3610 Food Service
300.3620 Furnishings, Equipment and Supplies (New and Existing Facilities)
300.3630 Design and Construction Standards (New and Existing Facilities)

SUBPART R: DAYCARE PROGRAMS

Section
300.3710 Day Care in Long-Term Care Facilities

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APPENDIX A Interpretation, Components, and Illustrative Services for Intermediate Care Facilities and Skilled Nursing Facilities
APPENDIX B Classification of Distinct Part of a Facility for Different Levels of Service (Repealed)
APPENDIX C Federal Requirements Regarding Patients'/Residents' Rights
APPENDIX D Forms for Day Care in Long-Term Care Facilities
APPENDIX E Criteria for Activity Directors Who Need Only Minimal Consultation
TABLE A Sound Transmission Limitations in New Skilled Nursing and Intermediate Care Facilities
TABLE B Pressure Relationships and Ventilation Rates of Certain Areas for New Intermediate Care Facilities and Skilled Nursing Facilities
TABLE C Construction Types and Sprinkler Requirements for Existing Skilled Nursing Facilities/Intermediate Care Facilities
TABLE D Disaster Preparedness Parameters - Relative Humidity and Temperature

AUTHORITY: Implementing and authorized by the Nursing Home Care Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 4151-101 et seq.) [210 ILCS 45].

SOURCE: Emergency rules adopted at 4 Ill. Reg. 10, p. 1066, effective March 1, 1980, for a maximum of 150 days; adopted at 4 Ill. Reg. 30, p. 311, effective July 28, 1980; emergency amendment at 6 Ill. Reg. 3229, effective March 8, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 5981, effective May 3, 1982; amended at 6 Ill. Reg. 6454, effective May 14, 1982; amended at 6 Ill. Reg. 8198, effective June 29, 1982; amended at 6 Ill. Reg. 11631, effective September 14, 1982; amended at 6 Ill. Reg. 14550 and 14554, effective November 8, 1982; amended at 6 Ill. Reg. 14684, effective November 15, 1982; amended at 7 Ill. Reg. 285, effective December 22, 1982; amended at 7 Ill. Reg. 1972, effective January 28, 1983; amended at 7 Ill. Reg. 8579, effective July 11, 1983; amended at 7 Ill. Reg. 15831, effective November 10, 1983; amended at 7 Ill. Reg. 15864, effective November 15, 1983; amended at 7 Ill. Reg. 16992, effective December 14, 1983; amended at 8 Ill. Reg. 15599, 15603, and 15606, effective August 15, 1984; amended at 8 Ill. Reg. 15947, effective August 17, 1984; amended at 8 Ill. Reg. 16999, effective September 5, 1984; codified at 8 Ill. Reg. 19766; amended at 8 Ill. Reg. 24186, effective November 29, 1984; amended at 8 Ill. Reg. 24668, effective December 7, 1984; amended at 8 Ill. Reg. 25102, effective December 14, 1984; amended at 9 Ill. Reg. 132, effective December 26, 1984; amended at 9 Ill. Reg. 4087, effective March 15, 1985; amended at 9 Ill. Reg. 11049, effective July 1, 1985; amended at 11 Ill. Reg. 16927, effective October 1, 1987; amended at 12 Ill. Reg. 1052, effective December 24, 1987; amended at 12 Ill. Reg. 16811, effective October 1, 1988; emergency amendment at 12 Ill. Reg. 18477, effective October 24, 1988, for a maximum of 150 days; emergency expired March 23, 1989; amended at 13 Ill. Reg. 4684, effective March 24, 1989; amended at 13 Ill. Reg. 5134, effective April 1, 1989; amended at 13 Ill. Reg. 20089, effective December 1, 1989; amended at 14 Ill. Reg. 14950, effective October 1, 1990; amended at 15 Ill. Reg. 554, effective January 1, 1991; amended at 16 Ill. Reg. 681, effective January 1, 1992; amended at 16 Ill. Reg. 5977, effective March 27, 1992; amended at 16

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Ill. Reg. 17089, effective November 3, 1992; emergency amendment at 17 Ill. Reg. 2420, effective February 3, 1993, for a maximum of 150 days; emergency expired on July 3, 1993; emergency amendment at 17 Ill. Reg. 8026, effective May 6, 1993, for a maximum of 150 days; emergency expired on October 3, 1993; amended at 17 Ill. Reg. 15106, effective September 3, 1993; amended at 17 Ill. Reg. 16194, effective January 1, 1994; amended at 17 Ill. Reg. 19279, effective October 26, 1993; amended at 17 Ill. Reg. _____, effective November 4, 1993; amended at 17 Ill. Reg. _____, effective November 20, 1993.

SUBPART C: POLICIES

Section 300.630 Contract Between Resident and Facility

a) Contract Execution

1) *Before a person is admitted to a facility, or at the expiration of the period of previous contract, or when the source of payment for the resident's care changes from private to public funds or from public to private funds, a written contract shall be executed between a licensee and the following in order of priority:*

A) *The person, or if the person is a minor, his parent or guardian; or*

B) *The person's guardian, if any, or agent, if any, as defined in Section 11a-23 of the Probate Act of 1975, as now or hereafter amended; or*

C) *A member of the person's immediate family.* (Section 2-202(a) of the Act)

2) *An adult person shall be presumed to have the capacity to contract for admission to a long-term care facility unless he has been adjudicated a "disabled person" within the meaning of Section 11a-2 of the Probate Act of 1975, as now or hereafter amended, or unless a petition for such an adjudication is pending in a circuit court of Illinois.* (Section 2-202(a) of the Act)

3) *If there is no guardian, agent or member of the person's immediate family available, able or willing to execute the contract required by Section 2-202 of the Act and a physician determines that a person is so disabled as to be unable to consent to placement in a facility, or if a person has already been found to be a "disabled person," but no order has been entered allowing residential placement of the person, that person may be admitted to a facility before the execution of a contract required by that Section; provided that a petition for guardianship or for modification of guardianship is filed within 15 days of the person's admission to a facility, and provided further that such a contract is executed within ten days of the disposition of the petition.* (Section 2-202(a) of the Act)

4) *No adult shall be admitted to a facility if he objects, orally or in writing, to such admission, except as otherwise provided in Chapters III and IV of the Mental Health and Developmental Disabilities Code, as amended, or Section 11a-14.1 of the Probate Act of 1975, as amended.* (Section 2-202(a) of the Act)

5) If on the effective date of this Part, a person has not executed a contract as required by Section 2-202 of the Act, then such a contract shall be executed by, or on behalf of, the person, within ten days of the effective date of this Part, unless a petition has been filed for guardianship or modification of guardianship. If a petition for guardianship or modification of guardianship has been filed, and there is no guardian, agent or a member of the person's immediate family available, able, or willing to execute the contract at that time, then a contract shall be executed within ten days of the disposition of such petition.

b) The contract shall be clearly and unambiguously entitled, "Contract Between Resident and (name of facility)."

c) *Before a licensee* (any facility licensed under the Act) *enters a contract under Section 2-202 of the Act, it shall provide the prospective resident and his guardian, if any, with written notice of the licensee's policy regarding discharge of a resident whose private funds for payment of care are exhausted.* (Section 2-202(a) of the Act)

d) *A resident shall not be discharged or transferred at the expiration of the term of a contract, except as provided in Sections 3-401 through 3-423 of the Act.* (Section 2-202(b) of the Act)

e) *At the time of the resident's admission to the facility, a copy of the contract shall be given to the resident, his guardian, if any, and any other person who executed the contract.* (Section 2-220(c) of the Act)

f) The contract shall be signed by the licensee or his agent. The title of each person signing the contract for the facility shall be clearly indicated next to each such signature. The nursing home administrator may sign as the agent of the licensee.

g) The contract shall be signed by, or for, the resident, as described in subsection (a) of this Section. If any person other than the principal signatory is to be held individually responsible for payments due under the contract, that person shall also sign the contract on a separate signature line labelled "signature of responsible party" or "signature of guarantor."

h) The contract shall include a definition of "responsible party" or "guarantor," which describes in full the liability incurred by any such person.

i) *A copy of the contract for a resident who is supported by nonpublic funds other than the resident's own funds shall be made available to the person providing the funds for the resident's support.* (Section 2-202(d) of the Act)

j) *The original or a copy of the contract shall be maintained in the facility and be made available upon request to representatives of the Department and the Department of Public Aid.* (Section 2-202(e)of the Act)

k) *The contract shall be written in clear and unambiguous language and shall be printed in not less than 12 point type.* (Section 2-202(f) of

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the Act)

l) *The contract shall specify the term of the contract.* (Section 2-202(g)(1) of the Act) The term can be until a certain date or event. If a certain date is specified in the contract, an addendum can extend the term of the contract to another date certain or on a month-to-month basis.

m) *The contract shall specify the services to be provided under the contract and the charges for the services.* (Section 2-202(g)(2) of the Act) A paragraph shall itemize the services and products to be provided by the facility and express the costs of the itemized services and products to be provided either in terms of a daily, weekly, monthly or yearly rate, or in terms of a single fee. The contract may provide that the charges for services may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contact on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

n) *The contract shall specify the services that may be provided to supplement the contract and the charges for the services.* (Section 2-202(g)(3) of the Act)

1) A paragraph shall itemize all services and products offered by the facility or related institutions which are not covered by the rate or fee established in subsection (m) of this Section. If a separate rate or fee for any such supplemental service or product can be calculated with definiteness at the time the contract is executed, then such additional cost shall be specified in the contract.

2) If the cost of any itemized service or product to be provided to the resident by the facility or related institutions ~~to--the resident~~ cannot be established or predicted with definiteness at the time of the resident's admission to the facility or at the time of the execution of the contract, then no cost for that service or product need be stated in the contract. But the contract shall include a statement explaining the resident's liability for such itemized service or product and explaining that the resident will be receiving a bill for such itemized service or product beyond and in addition to any rate or fee set forth in the contract.

3) The contract may provide that the charges for services and products not covered by the rate or fee established in subsection (1) may be changed with thirty (30) days advance written notice to the resident or the person executing the contract on behalf of the resident. The resident or the person executing the contract on behalf of the resident may either assent to the change or choose to terminate the contract at any time within 30 days of the receipt of the written notice of the change. The written notice shall become an addendum to the contract.

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o) *The contract shall specify the sources liable for payment due under the contract.* (Section 2-202(g)(4) of the Act)

p) *The contract shall specify the amount of deposit paid.* (Section 2-202(g)(5) of the Act) Such amount shall be expressed in terms of a precise number of dollars and be clearly designated as a deposit. The contract shall specify when such deposit shall be paid by the resident, and the contract shall specify when such deposit shall be returned by the facility. The contract shall specify the conditions (if any) which must be satisfied by the resident before the facility shall return the deposit. Upon the satisfaction of all such conditions, the deposit shall be returned to the resident. If the deposit is nonrefundable, the contract shall provide express notice of such nonrefundability.

q) *The contract shall specify the rights, duties and obligations of the resident, except that the specification of a resident's rights may be furnished on a separate document which complies with the requirements of Section 2-211 of the Act.* (Section 2-202(g)(6) of the Act)

r) The contract shall designate the name of the resident's representative, if any. *The resident shall provide the facility with a copy of the written agreement between the resident and the resident's representative which authorizes the resident's representative to inspect and copy the resident's records and authorizes the resident's representative to execute the contract on behalf of the resident required by Section 2-202 of the Act.* (Section 2-202(h) of the Act)

s) *The contract shall provide that if the resident is compelled by a change in physical or mental health to leave the facility, the contract and all obligations under it shall terminate on seven days notice. It shall also provide that in all other situations, a resident may terminate the contract and all obligations under it with 30 days notice. All charges shall be prorated as of the date on which the contract terminates, and, if any payments have been made in advance, the excess shall be refunded to the resident. This provision shall not apply to life-care contracts through which a facility agrees to provide maintenance and care for a resident throughout the remainder of the resident's life nor to continuing-care contracts through which a facility agrees to supplement all available forms of financial support in providing maintenance and care for a resident throughout the remainder of the resident's life.* (Section 2-202(i) of the Act)

t) All facilities which offer to provide a resident with *nursing services, medical services or personal care services, in addition to maintenance services, conditioned upon the transfer of an entrance fee to the provider of such services in addition to or in lieu of the payment of regular periodic charges for the care and services involved,* for a term in excess of one year or for life pursuant to a life care contract, shall meet all of the provisions of the Life Care Facilities Act, (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 4160-1 et seq.) [210 ILCS 40]~~, as--now--or--hereafter--amended~~, including the

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENT(S)

obtaining of a permit from the Department, before they may enter into such contracts. (Section 2(c) of the Life Care Facilities Act)

u) *In addition to all other contract specifications contained in this Section, admission contracts shall also specify:*

1) *whether the facility accepts Medicaid clients;*

2) *whether the facility requires a deposit of the resident or his family prior to the establishment of Medicaid eligibility;*

3) *in the event that a deposit is required, a clear and concise statement of the procedure to be followed for the return of such deposit to the resident or the appropriate family member or guardian of the person;*

4) *that all deposits made to a facility by a resident, or on behalf of a resident, shall be returned by the facility within 30 days of the establishment of Medicaid eligibility, unless such deposits must be drawn upon or encumbered in accordance with Medicaid eligibility requirements established by the Illinois Department of Public Aid.* (Section 2-202(j) of the Act)

v) *It shall be a business offense for a facility to knowingly and intentionally both retain a resident's deposit and accept Medicaid payments on behalf of the resident.* (Section 2-202(k) of the Act)

(Source: Amended at 17 Ill. Reg. _____, effective November 20, 1993)

SECRETARY OF STATE

NOTICE OF ADOPTED RULE

1) Heading of the Part: Hearing Officer Qualifications

2) Code Citation: 2 Ill. Adm. Code 553

3)

Section Numbers:	Adopted Action:
553.10	New Section
553.20	New Section
553.30	New Section
553.40	New Section
553.50	New Section
553.60	New Section

4) Statutory Authority: Implementing Sections 1005-15 and 1010-20 of Chapter 127 of Ill. Rev. Stat. 1991 (Ill. Rev. Stat. 1991 ch. 127, pars. 1005-15 and 1010-20) [5 ILCS 100/5-15, 10-20] and authorized by Sections 2-103 and 2-104 of ch. 95½ of the Illinois Vehicle Code (Ill. Rev. Stat. 1991. ch. 95½, pars. 2-103, 2-104) [625 ILCS 5/2-103, 2-104].

5) Effective Date of Rule Amendments: November 22, 1993

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rule amendment contain incorporations by reference? No

8) Date Filed in Agency's Principal Office: October 21, 1993

9) Notice of Proposal Published in Illinois Register:

This is an internal rule and the publication of a first notice in the Illinois Register is not required.

10) Has JCAR issued a Statement of Objections to these rules:

No, this is an internal rule.

11) Differences between proposal and final version: Not applicable.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Not applicable.

13) Will this rule amendment replace an emergency rule amendment currently in effect? No

14) Are there any amendments pending in this Part? No

SECRETARY OF STATE

NOTICE OF ADOPTED RULE

15) Summary and Purpose of Rule Amendments: This Part sets forth the qualifications of the hearing officers for the Department of Administrative Hearings.

16) Information and questions regarding this adopted rule shall be directed to:

Jay L. Mesi, Senior Legal Advisor
Secretary of State
Department of Administrative Hearings
Room 200, Michael J. Howlett Building
Springfield, Illinois 62756

The full text of the Adopted Amendments begins on the next page:

SECRETARY OF STATE

NOTICE OF ADOPTED RULE

TITLE 2: GOVERNMENTAL ORGANIZATION
SUBTITLE C: CONSTITUTIONAL OFFICES
CHAPTER III: SECRETARY OF STATE

PART 553
HEARING OFFICER QUALIFICATIONS

Section
553.10 Applicability
553.20 Definitions
553.30 Formal Hearing Officer Qualifications
553.40 Informal Hearing Officer Qualifications
553.50 SR Hearing Officer Qualifications
553.60 Disqualification of Hearing Officers

AUTHORITY: Implementing Sections 1005-15 and 1010-20 of Chapter 127 of Ill. Rev. Stat. 1991 (Ill. Rev. Stat. 1991 ch. 127, pars. 1005-15 and 1010-20) [5 ILCS 100/5-15, 10-20] and authorized by Sections 2-103 and 2-104 of ch. 95½ of the Illinois Vehicle Code (Ill. Rev. Stat. 1991. ch. 95½, pars. 2-103, 2-104) [625 ILCS 5/2-103, 2-104].

SOURCE: Adopted at 17 Ill. Reg. _____, effective November 22, 1993.

NOTE: Capitalization denotes Statutory language.

Section 553.10 Applicability

This Part shall set forth the minimum qualifications of formal, informal, and safety responsibility (SR) hearing officers for the Department of Administrative Hearings.

Section 553.20 Definitions

"Chairperson" means the chairperson of the Illinois Medical Advisory Board.

"Department" means the Department of Administrative Hearings, Office of the Secretary of State.

"Formal Hearing Officer" means any person designated by the Secretary to preside at any formal hearing under Subpart A of 92 Ill. Adm. Code, Part 1001, other than a safety responsibility hearing, or any formal medical hearing under Subpart E of 92 Ill. Adm. Code, Part 1001, or any physician who is a member of the Illinois Medical Advisory Board who is selected by the chairperson to serve on the hearing committee for a formal medical hearing held under Subpart E of 92 Ill. Adm. Code, Part 1001.

"Hearing committee" means the formal hearing officer and the three members of the board who conduct a formal medical hearing as set

forth in 92 Ill. Adm. Code 1001.530.

"Illinois Medical Advisory Board (Board)" means a panel consisting of at least 9 physicians appointed by the Secretary pursuant to Section 6-902 of the Driver License Medical Review Law of 1992 (Ill. Rev. Stat. 1991, ch. 95 1/2, par. 6-902) [625 ILCS 5/6-902].

"Informal Hearing Officer" means any person designated by the Secretary to preside at any informal hearing under Subpart C of 92 Ill. Adm. Code, Part 1001.

"Secretary" means the Illinois Secretary of State or his/her designee.

"SR Hearing Officer" means any person designated by the Secretary to preside at any safety responsibility (SR) hearing under Subpart B of 92 Ill. Adm. Code, Part 1001.

Section 553.30 Formal Hearing Officer Qualifications

a) Every hearing officer presiding over formal hearings must meet the following educational and/or experience requirements:

1) The completion of four (4) years of college, preferably with courses in pre-law, psychology, communications, counseling or legal studies, at an accredited institution resulting in graduation and the receipt of a diploma; or

2) The completion of three (3) years of paraprofessional or technical experience in dealing with laws, rules and regulations pertaining to driving privileges.

b) Every hearing officer presiding over formal hearings must possess the following knowledge, skills and abilities:

1) extensive knowledge of the English language, including composition and grammar;

2) working knowledge of the Illinois Vehicle Code and the administrative rules and regulations promulgated by the Department as they relate to the issuance and loss of driving privileges, and where applicable, vehicle title and registration statutes and regulations;

3) working knowledge of standard office practices and procedures;

4) working knowledge of oral and written communications and their application to technical and legal subject matter;

5) working knowledge and understanding of administrative hearings and procedures;

6) working knowledge of the effects of alcohol and other drugs on an individual's ability to operate a motor vehicle;

7) working knowledge of substance abuse problems, including alcoholism and other drug dependency, as well as the generally recognized approaches that are utilized to address such problems;

8) ability to deal tactfully with the general public, attorneys, and service providers;

9) ability to prepare organized and concise written material utilizing technical and legal terminology;

10) ability to analyze and interpret laws, rules and policies and logically apply them to cases under review;

11) ability to conduct formal hearings and obtain and analyze necessary evidence;

12) an elementary knowledge of the law of evidence;

13) possession of a valid Illinois driver's license.

c) Every member of the board who serves on the hearing committee at a formal medical hearing must be licensed to practice medicine in all its branches in the State of Illinois.

Section 553.40 Informal Hearing Officer Qualifications

a) Every hearing officer presiding over informal hearings must meet the following educational and/or experience requirements.

1) Possess the knowledge, skill and mental development equivalent to the completion of two (2) years of college, preferably with courses in public administration, business administration, communications, counseling; or

2) The completion of two (2) years of paraprofessional or technical experience in dealing with laws, rules and regulations pertaining to driving privileges.

b) Every hearing officer presiding over informal hearings must possess the following knowledge, skills and abilities:

1) working knowledge of the English language, including

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composition and grammar;

2) working knowledge of the Illinois Vehicle Code and the administrative rules and regulations promulgated by the Department as they relate to the issuance and withdrawal of driving privileges;

3) working knowledge of standard office practices and procedures;

4) working knowledge of the effects of alcohol and other drugs on an individual's ability to operate a motor vehicle;

5) working knowledge of substance abuse problems, including alcoholism and other drug dependency, as well as the generally recognized approaches that are utilized to address such problems;

6) ability to effectively communicate technical information both orally and in writing;

7) ability to deal tactfully with the general public, attorneys, and service providers;

8) ability to prepare concise and factual reports on informal hearing findings;

9) ability to conduct informal hearings and obtain and analyze necessary information;

10) possession of a valid Illinois driver's license.

Section 553.50 SR Hearing Officer Qualifications

a) Every hearing officer presiding over SR hearings must meet the following educational and/or experience requirements:

1) Possess the knowledge, skill and mental development equivalent to the completion of three (3) years of college, preferably with courses in public administration, business administration, communications, counseling; or

2) The completion of two (2) years of paraprofessional or technical experience in dealing with safety and financial responsibility laws, rules and regulations.

b) Every hearing officer presiding over SR hearings must possess the following knowledge, skills and abilities:

1) working knowledge of the English language, including

composition and grammar;

2) working knowledge of the Illinois Vehicle Code and the administrative rules and regulations promulgated by the Department as they relate to the safety and financial responsibility law;

3) working knowledge of standard office practices and procedures;

4) ability to deal tactfully with the general public, attorneys or other petitioner representatives;

5) ability to prepare concise and factual reports or orders on hearings or case review findings;

6) ability to conduct a formal hearing and obtain and analyze necessary evidence;

7) an elementary knowledge of the law of evidence;

8) ability to effectively communicate both orally and in writing;

9) possession of a valid Illinois driver's license.

Section 553.60 Disqualification of hearing officers

a) formal hearing officers: handled in accordance with the provisions found at 92 Ill. Adm. Code 1001.100(b).

b) sr hearing officers: handled in accordance with the provisions found at 92 Ill. Adm. Code 1001.220(f).

c) informal hearing officers: not subject to disqualification as informal hearings are not contested cases which result in a final, appealable order.

DEPARTMENT OF STATE POLICE MERIT BOARD

NOTICE OF ADOPTED AMENDMENTS

1) The Heading of the Part: PROCEDURES OF THE DEPARTMENT OF STATE POLICE MERIT BOARD

2) Code Citation: 80 Ill. Adm. Code 150

3) Section Numbers: Adopted Action:

150.210	Amendment
150.310	Amendment
150.320	Amendment
150.410	Amendment
150.430	Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 121, par. 307.8 and 307.9 307.10 (20 ILCS 2610/0.01 - 2610/0.14)

5) Effective date of rule(s): November 22, 1993

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rule contain incorporations by reference? No

8) Date filed in agency's principal office: November 22, 1993

9) Notice(s) of Proposal published in Illinois Register:

September 10, 1993, 17 Ill. Reg. 14568

10) Has JCAR issued a Statement of Objections to this (these) rule(s)? No

11) Difference(s) between proposed and final version:

Format changes were made in accordance with the suggestions received from the Administrative Code Unit.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? No changes were requested by JCAR.

13) Will this rule replace an emergency rule currently in effect? No

14) Are there any amendments pending on this Part? No

15) Summary and purpose of rule(s):

150.210 and 150.320 - The education requirement for the Special Agent rank is being eliminated from Merit Board rules because of the method the Illinois State Police utilizes to select officers for this position. Currently all Illinois State Police Sworn Officers are hired as cadets. As of April, 1987 any cadet hired by the Illinois State Police had to possess 60 semester or 90 quarter hours of college from an accredited college or university. After successful completion of the ISP training academy, field training officer's program and probationary period, a sworn officer must serve as a trooper before becoming an agent. Illinois State Police command will select the most qualified officers to fill investigative positions from those presently working in patrol assignments or other segements of the agency.

DEPARTMENT OF STATE POLICE MERIT BOARD

NOTICE OF ADOPTED AMENDMENTS

150.310 and 150.430 d), e), f) and g) - The ranks of Special Agent Sergeant, Special Agent Master Sergeant, Special Agent Lieutenant, Special Agent Captain, and Special Agent Major have been eliminated. The creation of the Division of Operations from the merger of the Divisions of State Troopers and Criminal Investigation obviates the need for these titles.

150.410 - The Board voted to offer the promotional examination every twelve months for the ranks of Sergeant and Master Sergeant. The promotional examination will still be offered every twenty-four months for the ranks of Lieutenant, Captain, and Major. The Board, after meeting with the Illinois State Police, the Command Officer's Association and the Fraternal Order of Police, has made these time changes in order to improve the sworn promotional process.

150.430 d) and e) - The performance evaluation has been renamed to performance appraisal to redirect the emphasis on performance rather than a numerical score.

150.430 g) - The promotional certification lists for Sergeant and Master Sergeant have previously been divided by districts for the patrol divisions and areas for the investigative divisions. Due to the merger of the patrol and investigative divisions into the one division, there is no need for separate lists. The certification lists for Sergeant and Master Sergeant will be by districts as defined jointly by the Illinois State Police and the Illinois State Police Merit Board.

16) Information and questions regarding this adopted rule shall be directed to:

Name: James E. Seiber, Executive Director

Address: 3180 Adloff Lane, Suite 100, Springfield, IL 62703

Telephone: 217/786-6240

The full text of the Adopted Rule(s) begins on the next page:

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DEPARTMENT OF STATE POLICE MERIT BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 80: PUBLIC OFFICIALS AND EMPLOYEES
SUBTITLE A: MERIT EMPLOYMENT SYSTEMS
CHAPTER IV: DEPARTMENT OF STATE POLICE MERIT BOARD

PART 150
PROCEDURES OF THE DEPARTMENT OF STATE POLICE MERIT BOARD

SUBPART A: DEFINITIONS

Section
150.10 Definitions

SUBPART B: CERTIFICATION FOR APPOINTMENT

Section
150.210 Qualifications
150.220 Selection Procedures
150.230 Recertification
150.240 Probationary Period

SUBPART C: CLASSIFICATION OF RANKS

Section
150.310 Ranks
150.320 Interdivisional Transfers

SUBPART D: CERTIFICATION FOR PROMOTION

Section
150.410 Board Responsibilities
150.420 Eligibility
150.430 Procedures
150.440 Promotion Probationary Period (Repealed)

SUBPART E: DISCIPLINARY ACTION

Section
150.510 Merit Board Jurisdiction
150.520 Discipline Afforded the Deputy Director
150.530 Notification to Suspended Officer
150.540 Petition for Review
150.550 Form and Content of Petition for Review
150.560 Filing Procedures
150.565 Procedure for Processing Petition for Review
150.570 Director's Review
150.575 Discipline Afforded the Director
150.580 Complaint Procedures
150.585 Scheduling the Hearing
150.590 Notification to Officer

DEPARTMENT OF STATE POLICE MERIT BOARD

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SUBPART F: HEARINGS

150.610 Board Docket
150.620 Hearing Officer
150.630 Pre-hearing Conferences
150.640 Motions
150.650 Subpoenas
150.655 Request for Witnesses or Documents
150.660 Evidence Depositions
150.665 Hearing Procedures
150.670 Continuances and Extensions of Time
150.675 Computation of Time
150.680 Decisions of the Board
150.685 Service and Form of Papers

Appendix A Vision Standards
Appendix B Physical Fitness Standards

AUTHORITY: Implementing Sections 3 through 14 and authorized by Section 8 of the Department of the State Police Act (Ill. Rev. Stat. 1991, ch. 121, pars. 307.3 through 307.14.)[20 ILCS 2610/0.01 - 2610/0.14]

SOURCE: Emergency rule adopted at 2 Ill. Reg. 10, p. 206, effective February 24, 1978, for a maximum of 150 days; emergency amendment at 2 Ill. Reg. 32, p. 37, effective July 27, 1978, for a maximum of 150 days; emergency amendments at 2 Ill. Reg. 51, p. 100, effective December 7, 1978, for a maximum of 150 days; adopted at 2 Ill. Reg. 52, p. 422, effective December 25, 1978; amended at 3 Ill. Reg. 47, p. 86, effective November 12, 1979; emergency amendments at 4 Ill. Reg. 6, p. 284, effective February 1, 1980, for a maximum of 150 days; amended at 5 Ill. Reg. 2739, effective March 2, 1981; amended at 6 Ill. Reg. 10954, effective August 31, 1982; codified at 7 Ill. Reg. 9900; amended at 7 Ill. Reg. 15018, effective November 2, 1983; emergency amendments at 8 Ill. Reg. 379, effective December 27, 1983, for a maximum of 150 days; emergency amendments at 8 Ill. Reg. 3038, effective February 23, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 7894, effective May 23, 1984; amended at 9 Ill. Reg. 3721, effective March 13, 1985; amended at 9 Ill. Reg. 14328, effective September 6, 1985; recodified from the Department of Law Enforcement Merit Board to the Department of State Police Merit Board pursuant to Executive Order 85-3, effective July 1, 1985, at 10 Ill. Reg. 3283; amended at 10 Ill. Reg. 17752, effective October 1, 1986; amended at 11 Ill. Reg. 7760, effective April 14, 1987; amended at 11 Ill. Reg. 18303, effective October 26, 1987; amended at 12 Ill. Reg. 1118, effective December 24, 1987; amended at 12 Ill. Reg. 10736, effective June 13, 1988; amended at 13 Ill. Reg. 5201, effective April 3, 1989; emergency amendment at 13 Ill. Reg. 16607, effective September 29, 1989, for a maximum of 150 days; amended at 13 Ill. Reg, 19592, effective December 1, 1989; amended at 14 Ill. Reg. 3679, effective February 23, 1990; amended at 15 Ill. Reg. 11007, effective July 15, 1991; amended at 16 Ill. Reg. 11835, effective July 13, 1992; emergency amendment at 16 Ill. Reg. 17372, effective October 29, 1992, for a maximum of 150 days; amended at 17 Ill. Reg. 9716, effective June 10, 1993; expedited correction at 17 Ill. Reg. 14568, effective June 10, 1993; amended at ____ Ill. Reg. _____, effective November 22, 1993.

DEPARTMENT OF STATE POLICE MERIT BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART B: CERTIFICATION FOR APPOINTMENT

Section 150.210 Qualifications

a) The Board shall certify to the Director in writing qualified applicants for appointment as sworn officers to the Department. Qualified applicants shall:

1) Be at least twenty-one years of age. Persons twenty years of age may be certified if they have successfully completed 2 years (60 semester hours, 90 quarter hours) of law enforcement studies at an accredited college or university.

2) ~~Education Requirements~~

~~A)~~ Have completed, with an average grade of C or better, 60 semester hours, 90 quarter hours or any combination of semester/quarter hours totaling 2 years of education from an accredited college or university.

~~B) Assignment as a Special Agent requires that an applicant possess a bachelor's degree in any field from an accredited institution of higher learning or have completed, with an average grade of C or better, 60 semester hours, 90 quarter hours or any combination of semester/quarter hours totaling 2 years of education from an accredited college or university plus three years of law enforcement experience as a sworn member of a Federal, State, County, Municipal or campus law enforcement unit.~~

3) Be a citizen of the United States with no felony convictions.

4) Accept assignment anywhere in the State.

5) Possess a valid driver's license at time of application.

6) Successfully complete mental and physical tests and a background investigation as prescribed by the Board. (See Section 150.Appendix A and B of this part.)

b) The Board may certify more applicants than there are vacant positions at the time of certification. Such certified applicants shall be eligible for appointment for a period of time designated by the Board.

(Source: Amended at ____ Ill. Reg. _____, effective November 22, 1993)

SUBPART C: CLASSIFICATION OF RANKS

Section 150.310 Ranks

The Merit Board classifies sworn officers according to the following ranks. Standards and Qualifications for each rank are established for description and test purposes:

DEPARTMENT OF STATE POLICE MERIT BOARD

NOTICE OF ADOPTED AMENDMENTS

State Police Officers	~~Special Agents~~
Major	~~Special Agent Major~~
Captain	~~Special Agent Captain~~
Lieutenant	~~Special Agent Lieutenant~~
Master Sergeant	~~Special Agent Master Sergeant~~
Sergeant	~~Special Agent Sergeant~~
Special Agent	~~Special Agent~~
Trooper	

(Source: Amended at ____ Ill. Reg. _____, effective November 22, 1993)

Section 150.320 Interdivisional Transfers

~~Sworn officers employed by the Department prior to July 1, 1977, may be transferred interdivisionally without meeting the educational requisites as outlined in Section 150.210.~~ The transfer of a sworn officer from one Division to another will not preclude the transferred officer from participating in the promotional process irrespective of whether that officer has served within the latter Division for less than a period of one (1) year.

(Source: Amended at ____ Ill. Reg. _____, effective November 22, 1993)

SUBPART D: CERTIFICATION FOR PROMOTION

Section 150.410 Board Responsibilities

The Board shall make certifications for promotion on the basis of job performance measurement, seniority, education, and written and/or oral examination. Examinations for promotion will be given at least every twelve (12) months for the ranks of Sergeant and Master Sergeant and every twenty-four (24) months for the ranks of Lieutenant, Captain and Major with notification of time and location to be provided in the promotional announcement.

(Source: Amended at ____ Ill. Reg. _____, effective November 22, 1993)

Section 150.430 Procedures

a) The Board will provide each officer with official notification announcing the examination and requesting a written response respecting the officer's intention to participate.

b) Candidates for promotion must complete examinations at the time designated by the Board in the official notification. No exceptions will be allowed.

c) Such candidates must have taken the most recent examination offered by the Board to be eligible for certification for promotion. All candidates taking the examination for each rank will be advised of their total promotional score and standing.

DEPARTMENT OF STATE POLICE MERIT BOARD

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d) Promotional Process Components

The total promotional score will consist of combined standardized scores or respective percentage weights of the components designated for each rank:

Components		Sgt, Msg, ~~SA Sgt, SA Msg~~	Lt, Capt, Maj, ~~SA Lt, SA Capt, SA Maj~~
Written Examination	50%	X	X
Performance ~~Evaluation~~Appraisal	45%	X	X
Seniority in Rank	5	X	X
Assessment Exercise	NA		X

e) Candidates for the ranks of Lieutenant, Captain, and Major~~, Special Agent Lieutenant, Special Agent Captain, and Special Agent Major~~ whose combined written examination, performance appraisal ~~evaluation~~, and seniority scores fall below the top 65% of candidates participating in each rank, are not eligible to participate in their respective Assessment Exercise. The Assessment Exercise score for those participating candidates will be added to the written examination, performance appraisal ~~evaluation~~ and seniority scores. This combined score will be standardized to a one hundred point scale.

f) The Board will certify to the Director the top 65% of those Troopers, Special Agents and Sergeants~~, Special Agents and Special Agent Sergeants~~ participating in the total promotional process. All Master Sergeants, Lieutenants, and Captains~~, Special Agent Master Sergeants, Special Agent Lieutenants and Special Agent Captains~~ participating in the total promotional process will be certified by the Board.

g) There will be statewide certification lists for the ranks of Lieutenant~~/Special Agent Lieutenant~~, Captain~~/Special Agent Captain~~, and Major~~/Special Agent Major~~. The certification lists for Sergeant and Master Sergeant will be according to Districts, as defined jointly by the Illinois State Police and the Illinois State Police Merit Board for promotional purposes~~and lists for Special Agent Sergeant and Special Agent Master Sergeant will be according to Areas~~and the list for Special Agents to Sergeant will be according to Areas.

h) The top ten (10) candidates on each certification list for all ranks are equally eligible for promotion by the Director; however, in the event of a tied score, all candidates obtaining such score shall be equally eligible for promotional consideration. The Director may promote accordingly any one of the eligible candidates in accordance with Equal Employment Opportunity Commission regulations (29 CFR 1600 et seq. (July 1, 1982)) and Illinois Department of Human Rights guidelines.

1) As promotions are accepted or waived, that candidate with the next highest total promotional score on the list becomes equally eligible for promotion; however, in the event of a tied score, all candidates obtaining such score shall be equally eligible for promotional consideration;

DEPARTMENT OF STATE POLICE MERIT BOARD

NOTICE OF ADOPTED AMENDMENTS

2) Eligible candidates on the certification list may decline an offer of promotion without losing position on the certification list. In the event of declination, that candidate with the next highest total promotional score becomes equally eligible for promotion; however, in the event of a tied score, all candidates obtaining such score shall be equally eligible for promotional consideration;

i) Upon written notification from the Department to the Board that a candidate on the certification list has been suspended, is on leave of absence, or has applied for disability benefits, the Board will remove the candidate's name from the certification list. The candidate's name will be restored on the list in a position in proper relation to the total promotional scores remaining when the suspension or leave of absence terminates or the disability is removed.

j) The certification list shall remain in force until the new certification list has been established; however, in the event that a certification list becomes exhausted, the Director will file a written request with the Board asking for the certification of additional names on any one list if necessary to fill vacant positions.

(Source: Amended at ____ Ill. Reg. _____, effective November 22, 1993)

DEPARTMENT OF COMMERCE AND COMMUNITY AFFAIRS

NOTICE OF EMERGENCY AMENDMENTS

1) Heading of the Part: Illinois Small Business Development Program

2) Code Citation: 14 Ill. Adm. Code 570

3)

Section Numbers:	Emergency Action:
570.10	Amendment
570.20	Amendment
570.25	Amendment
570.30	Amendment
570.40	Amendment
570.50	Amendment
570.60	Amendment
570.70	Amendment

4) Statutory Authority: Implemented and authorized by the Small Business Development Act (Ill. Rev. Stat. 1991, ch. 127, pars. 2709-1, 2709-2, 2709-3, 2709-4, 2709-4.2, and 2709-6 et seq.) [30 ILCS 750/9-1-10]; and as amended by Public Act 88-422.

5) Effective Date of Amendments: November 23, 1993

6) If these emergency amendments are to expire before the end of the 150 days period, please specify the date on which it is to expire: Not Applicable.

7) Date filed in Agency's Principal Office: November 23, 1993.

8) Reason for Emergency: The reason for the Emergency Amendments is due to the recent flood disaster in Illinois. The Department of Commerce and Community Affairs in conjunction with the Illinois Development Finance Authority have established the Flood Assistance Loan Program. The urgency of the need to begin the recovery process means that there is not sufficient time to utilize the normal rulemaking process.

9) A Complete Description of the Subjects and Issues Involved:

This rulemaking establishes the Participation Loan Program, the Loan Loss Reserve Program, the Development Corporation Participation Loan Program and provides for Technical Assistance Grants and Development Corporation Grants under the Small Business Development Act.

These rules will provide small businesses with additional opportunities for financial assistance and better utilization of available revolving loan funds and will open additional delivery systems through financial intermediaries for small businesses seeking financial assistance.

10) Are there any proposed amendments pending on this Part? No.

11) Statement of Statewide Policy Objectives: This rulemaking does not

DEPARTMENT OF COMMERCE AND COMMUNITY AFFAIRS

NOTICE OF EMERGENCY AMENDMENTS

create or expand a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1991, ch. 85, par. 2203) [30 ILCS 805/3].

12) Information and questions regarding these amendments shall be directed to:

Mr. E. Norman Sims, Deputy Director
Department of Commerce and Community Affairs
Bureau of Community Development
620 East Adams Street, 6th Floor
Springfield, Illinois 62701
Telephone Number: (217) 785-6174
T.D.D. Number: (217) 785-6055

The full text of the Emergency Amendments begins on the next page:

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DEPARTMENT OF COMMERCE AND COMMUNITY AFFAIRS

NOTICE OF EMERGENCY AMENDMENTS

TITLE 14: COMMERCE
SUBTITLE C: ECONOMIC DEVELOPMENT
CHAPTER I: DEPARTMENT OF COMMERCE AND COMMUNITY AFFAIRS

PART 570
ILLINOIS SMALL BUSINESS DEVELOPMENT PROGRAM

Section
570.10 Purpose
EMERGENCY
570.15 Loan Terms (Renumbered)
570.20 Application Cycle
EMERGENCY
570.25 Application Documentation
EMERGENCY
570.30 Application Evaluation
EMERGENCY
570.40 Selection for Funding
EMERGENCY
570.50 Funding Limitations
EMERGENCY
570.60 Allowable Leverage
EMERGENCY
570.70 Administrative Requirements
EMERGENCY

AUTHORITY: Implementing and authorized by the Small Business Development Act (Ill. Rev. Stat. 198991, ch. 127, pars. 2709-1, 2709-2, 2709-3, 2709-4, 2709-4.2, and 2709-6 et seq.) [30 ILCS 750/9-1-10]; and as amended by Public Act 88-422.

SOURCE: Emergency rules adopted at 9 Ill. Reg. 14368, effective September 6, 1985, for a maximum of 150 days; adopted at 10 Ill. Reg. 3266, effective January 28, 1986; amended at 10 Ill. Reg. 19724, effective November 6, 1986; amended at 13 Ill. Reg. 58, effective December 27, 1988; amended at 15 Ill. Reg. 9902, effective June 24, 1991; emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days.

Section 570.10 Purpose
EMERGENCY

a) Direct Funding

~~a)~~ 1) Through the Illinois Small Business Development Program (Program), the Department of Commerce and Community Affairs (Department) will provide term loans on a generally fixed-rate, low-interest basis ~~(i.e., at or below the prime rate then current in the major money centers) term loans~~

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(see Section 570.70(a)(1)) ~~or grants~~to small businesses in Illinois in cooperation with participating lenders or other investors. The ultimate purpose of the Program is to provide economic development assistance to Illinois businesses who will provide employment opportunities for Illinois citizens, either through job creation/~~or retention~~ or those which modernize or improve the competitiveness of the firm.

~~b)~~ 2) Any small business operating or to be located in Illinois may make an application for financial assistance under this program. A small business includes, but is not limited to, any for-profit business organized as a sole proprietorship, partnership, corporation, joint venture, association, or cooperative. For the purposes of this program, a small business is one which has, including its affiliates, less than 500 full-time employees, or is determined by the Department not to be dominant in its field.

~~c)~~ 3) Minority, ~~and~~ Women and Disability Business Loans - ~~Minority and women owned (small) businesses shall be granted waivers with respect to funding limitations in accordance with Section 578.58(b) by the Director in order to encourage economic development and job creation/retention in minority and women owned businesses. For purposes of this Part minority, woman, minority owned business, and~~a women owned business shall have the same definitions as a female owned business ~~as those established~~under Section 2 of the Minority and Female Business Enterprise Act (Ill. Rev. Stat. 198991, ch. 127, par. 132.602) [30 ILCS 575/2] ~~for minority, female, minority owned business, and female owned business, respectively~~and a minority owned business shall have the same definition as that contained in such Act.

~~d)~~ Included for purposes of this Part, Disadvantaged Business Enterprise (DBE)/and Women's Business Enterprise (WBE) ~~Contractor Finance - Illinois Department of Transportation (IDOT) certified DBEs/WBEs may apply for contractor finance (working capital financing to fulfill the terms of a contract or subcontract let or administered by IDOT) loan participations (undivided interests the Department obtains in loans made by other lenders) in order to encourage economic development and job creation/retention in DBEs and WBEs. For purposes of this Part, IDOT certified DBEs and~~ WBEs shall have the same definitions as those established under Section 5 of the Illinois Purchasing Act (Ill. Rev. Stat. 198991, ch. 127, par. 132.5) [30 ILCS 505/5] and Sections 3-101, 3-103, and 4-201.1 of the Illinois Highway

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Code (Ill. Rev. Stat. 198991, ch. 121, pars 3-101, 3-103 and 4-201.1) [605 ILCS 5/3-101, 5/3-103 and 5/4-201.1]~~and shall be certified under IDOT rules (92 Ill. Adm. Code 10)~~.

~~e) Disability Business Loans --- Businesses owned by persons with disabilities shall be granted the same waivers as those granted in subsection (c) for minority and women owned businesses.~~ --For purposes of this Part, disability shall have the same definition as that used in Section 3 of the "Americans with Disabilities Act of 1990" (42 U.S.C. 12102) and businesses owned by persons with disabilities shall mean businesses that are at least 51% owned by one or more persons with disabilities and whose management and daily business operations are controlled by one of the disabled owners~~)~~.

4) Technical Assistance Grants - Provides the Department with the ability to make a grant to a not-for-profit organization, which also provides a portion of the financing with respect to the technical assistance project. The purpose of the grant is to cause the technical assistance project to be undertaken which has the potential to improve the capital marketplace structure or to reduce information barriers that are impediments to the flow of capital.

5) Development Corporation Grant Program - The purpose of the Development Corporation Grant Program is to provide grants to or through financial intermediaries whose purpose includes financing, promoting or encouraging economic development in their geographic areas.

b) Indirect Funding

1) Participation Loan Program - Provides the Department with the ability to purchase an interest in a standard financial intermediary loan. This purchase provides a collateral cushion similar to companion loans. The purpose of these agreements is to help reduce the time needed to analyze applications due to the reliance upon the financial intermediaries due diligence by tapping into the existing infrastructure of private sector financing expertise. The ultimate purpose of the Program is to provide economic development assistance to Illinois businesses who will provide employment opportunities for Illinois citizens. For purposes of this Part, financial intermediary shall have the same definition as those established under Section 9-2 of the Small Business Development Act (Act) [30 ILCS 750/9-1-10].

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2) Loan Loss Reserve Program - The financial intermediaries which participate in the program make all of the credit decisions about whether to fund or reject a loan to a potential borrower. The financial intermediary also decides whether to make a conventional loan to the borrower or whether to require the borrower to participate in the Loan Loss Reserve Program as a condition of the loan. The purpose of the program is to help borrowers which are borrowing up to $100,000 get access to capital especially in urban areas, however, even though the program provides access to capital it will not necessarily be low-cost capital.

3) Development Corporation Participation Loan Program - The purpose of the Development Corporation Participation Loan Program is to provide loans, which may be done through the purchase of participations, to or through financial intermediaries whose purpose includes financing, promoting or encouraging economic development in their geographic areas.

4) Minority, Women, and Disability Participation Loans - Businesses meeting the definitions of Section 570.10(a)(3) may be funded in accordance with Section 9-4.2 of the Act through Participation Loans and Development Corporation Participation Loans as described in Sections 570.10(b)(1) and (3).

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

Section 570.20 Application Cycle
EMERGENCY

a) Direct Funding

1) Applications under the Programs other than the Technical Assistance Program and the Development Corporation Program will be accepted throughout the year until program funds are exhausted. The Department or its designee (e.g., Small Business Development Center (SBDC) staff, Illinois Department of Transportation) will supply interested businesses with an application package upon request.

2) Public notice of the availability of Technical Assistance Grant Program Applications and the application due date will be published in the state recognized newspaper. Grant funds will be made available on an annual basis, if sufficient monies are allocated for the program.

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years, if the business is not a new plant start-up or new business opportunity and interim statements dated no more than ninety days prior to application including:

1) i) Profit and Loss (Income) Statements;

2) ii) Balance Sheets; and

3) iii) Disclosure of Contingent Liabilities (if applicable).

d) D) ~~Three~~Two Year Projections - ~~three~~two year projections of the Profit and Loss Statement ~~and Balance Sheet~~and a one year Monthly Cash Flow Projection. Except that proposed projects of less than ~~three~~two years in duration shall only be required to submit projections appropriate for the projects (e.g., projects of less than one year shall only need to submit cash flow projections).

e) E) Site Map (if applicable) - an outline of the general location of the project on a site map, including the location of any floodplain areas. ~~---DBE's/WBE's requesting contractor financing shall have fulfilled the requirements of this subsection upon the submission of a copy of the contract under which the work will be performed.~~

f) F) Land and Building Information (~~as~~if applicable) - for land and/or building acquisition, appraisal by a credentialed appraiser (e.g., Member American Institute (MAI) of the American Institute of Real Estate Appraisers, Senior Realty Appraiser (SRA)) acceptable to the Department and a copy of the purchase option or agreement; for building construction or renovation, a contractor or architect's cost estimates; for space rental, a draft rental/lease agreement~~.~~, ~~I~~if real property and fixtures will be offered as collateral for funding, an appraisal by a credentialed appraiser acceptable to the Department.

g) G) Description of Machinery and Equipment (if applicable) - major equipment or classes of equipment to be acquired with the Department's program funds identified; for acquisition of new machinery and equipment, attachments of reliable vendor cost estimates; for moving and installation costs,

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Applications will be due on the deadline as determined by the Department.

3) Public notice of the availability of Development Corporation Grant Applications and the application due date will be published in the state recognized newspaper. Grant funds will be made available on an annual basis, if sufficient monies are allocated for the program. Applications will be due on the deadline as determined by the Department.

b) Indirect Funding

1) Applications under the Participation Loan Program and the Loan Loss Reserve Program will be accepted throughout the year until program funds are exhausted. The Department or a financial intermediary will supply interested businesses with an application package upon request.

2) Applications for Development Corporation Participation loans to or through financial intermediaries will be accepted throughout the year until program funds are exhausted. The Department will supply interested financial intermediaries with an application package upon request.

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

Section 570.25 Application Documentation
EMERGENCY

a) Direct Funding

1) The application for a loan ~~must~~shall include documentation of the following:

a) A) History of the Company (if applicable) - a brief history of the business and past employment growth.

b) B) Market Information - information on the company's products or services and identification of existing and potential major customers and competitors. ~~DBE's/WBE's requesting contractor financing shall have fulfilled the requirements of this subsection upon the submission of a copy of the contract under which the work will be performed.~~

c) C) Historic Financial Statements (if applicable) - historic financial statements for the past three

attachments of written estimates; for used machinery and equipment acquisition, an appraisal demonstrating that the fair market value is in line with the purchase price and a specific description of the equipment including serial numbers, if available.

~~h)~~ H) Description of Working Capital (if applicable) - a detailed explanation of the need for and use of the funds.

~~i)~~ I) Company Management - a listing of those individuals who are responsible for the management of the company, their positions and responsibilities, and resumès of key senior individuals (e.g., Owner, Partner, President, Vice President, Treasurer) at the company location.

~~j)~~ J) Ownership - the company will provide a detailed statement of ownership which shall include a percentage of ownership. Such statements shall clearly identify any ownership interest which amounts to 20% or more, or any lower amount as determined by the Department, any ownership entity (e.g., any individual, partnership, corporation) which is considered to be controlling the business, and/or any entity which is guaranteeing any financial or contractual activities of the company. For all such entities which meet any conditions of this subsection, a financial statement shall be provided. The financial statements shall include full name, home/corporate address and social security number/federal employer identification number (FEIN).

~~k)~~ K) Letters of Commitment - commitment letters documenting all sources of leveraging; loans from financial institutions must have language indicating the loan amount, the specified term and interest, collateral, conditions attendant to the loan, and the fact that the loan is approved; any commitment to purchase a revenue bond must have an executed inducement resolution and the rates, terms, and conditions of approval by the buyer.

2) The application for the Technical Assistance Grant shall include documentation of the following:

A) Proposed Work Plans - Provide a detailed description of how the project will be administered to meet the project goals;

B) Timelines - Provide a detailed list of dates, to include a starting and completion date, in order to show the orderly progression of the project;

C) Objectives and results of the project - Describe the economic development purpose being served or to be served by the Technical Assistance Grant. Also, describe the anticipated economic development benefits, in quantifiable terms, resulting from the Technical Assistance Grant;

D) Persons responsible for administering the effort - Provide a resumè for each individual who will be involved in the project. Resumès should contain present and past work experience along with educational information;

E) Cost of completing the proposed effort - Provide a detailed list of all costs which will be incurred in order to complete the project; and

F) Other documentation that may be necessary.

3) Grant Application Documentation for Development Corporations shall contain the following:

A) History of Applicant - Provide a brief history of the Development Corporation, legal status (e.g., stock corporation, not-for-profit, general unit of government, etc.), board structure, etc., as a separate attachment. Provide proof of authority to operate including, as appropriate, articles of incorporation, bylaws, and a resolution of the Board to participate.

B) Mission and Goals - Fully describe the economic development purpose being served or to be served by the Development Corporation and the major objectives of the Development Corporation and how it will meet these objectives.

C) Local Market Needs - Identify the geographic area to be served by the Development Corporation and the typical borrowers to be served (third party beneficiaries of the Development Corporation's lending), and the primary business financing needs that will be addressed. Include a profile of the Development Corporation's target area. Outside the boundaries of Cook County, the Development

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Corporation must service a substantial geographic area containing a significant population base (e.g., county, multi-county, statewide, etc.).

D) Financial Products and Services - Describe the financial products and financial services to be offered. This should include the type of lending and equity to be offered, term of lending to be provided, minimum and maximum amounts, if any, on loans outstanding to individual firms, etc. If the Development Corporation is recently formed, include the timetable for implementation.

E) Results Expected - Describe anticipated economic development benefits resulting from the Department's financial assistance.

F) Staffing and Management - Provide a description of how and by whom the Development Corporation will be managed and staffed including specific information on board membership.

G) Operating Procedures - Describe how the Development Corporation will be operated, proposed location of offices and/or facilities, marketing of corporate services, etc. Describe the corporate decision making process for making business loans and other types of investments, due diligence process and credit analysis procedures to be used, and application procedures to assure prudent operation of the lending and investment activity.

H) Coordination and Community Involvement - Provide a description of the primary working relationships with public and private entities, such as local, state and federal financial institutions, venture capital partnerships, public or non-profit development agencies, etc. Describe community involvement in the Development Corporation referral process (if applicable).

I) Capitalization - Provide a summary of financial projections, anticipated/actual sources of operating income, the amount of Development Corporation capitalization and the expected funding needs of the Development Corporation. Specifically, include the nature and amount of bank and other corporate investments, and major stockholders or shareholders and percent of ownership. For a new Development

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Corporation, include a detailed timetable for securing all initial corporate financing.

J) Budget Request - Identify the amount of funds requested from the Department. The request should also detail the type of funding needed (loan, grant or investment), how it will be secured and repaid, and how it will be used (organizational costs, direct lending to third party beneficiary projects) and the anticipated schedule (timing) for using Department funds.

K) Letters of Commitment - Applications must include documentation of all sources of Development Corporation matching funds in the form of specific commitment letters. Commitment letters must have language indicating the terms and conditions attendant to the contribution, including the amount, when the contribution will be made, and any conditions which must be met before the contribution is made.

b) Indirect Funding

1) Participation Loan Program and Development Corporation Participation Loan Program - Documentation from the financial intermediaries shall contain the information which is required by the financial intermediary as part of its loan application and such additional information as the department may deem necessary. Before participations are made to the financial intermediary, the following documentation shall be required by the Department, except that a financial intermediary regularly examined by a financial institution regulator (e.g., Commissioner of Banks and Trusts, Office of the Comptroller of the Currency, etc.) may substitute documentation of good standing.

A) History - A brief history of the financial intermediary, legal status (e.g., stock corporation, not-for-profit, general unit of government, etc.), board structure, etc., as a separate attachment. Provide proof of authority to operate including, as appropriate, articles of incorporation, bylaws, and a resolution of the Board to participate.

B) Local Market needs - Identify the geographic area served by the financial intermediary and the typical borrowers served and the major objectives of the

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financial intermediary.

C) Historic Financials - Provide historic financial statements for the past three years, if the financial intermediary is not a new start-up, and interim statements dated no more than ninety days prior to application including:

i) Profit and Loss (Income) Statements;

ii) Balance Sheets; and

iii) Disclosure of Contingent Liabilities.

D) Staffing and Management - Provide a description of how and by whom the financial intermediary is managed and staffed including specific information on board membership.

E) Other Documentation - Other documentation determined necessary.

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993 _____), for a maximum of 150 days)

Section 570.30 Application Evaluation
EMERGENCY

a) Direct Funding

1) The criteria for evaluating loan applications are the following:

The Department shall screen all applications to determine that all requirements of the application package have been addressed. Complete applications will be reviewed and evaluated by Department staff. Applicants will be notified of deficiencies in applications and given an opportunity to correct such deficiencies through submission of additional documentation (see Section 570.25(a)(1)). This review and evaluation process will be completed within 45 days of the Department's receipt of a complete application. Department staff will conduct a technical and financial evaluation of each application.

~~a)~~ A) Technical Evaluation Component - Each application will be reviewed to assure compliance with technical program requirements as specified in Sections 9-2, 9-4, 9-4.2, and 9-6 et seq. of the Small Business

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Development Act ~~(Act)~~ (Ill. Rev. Stat. 198991, ch. 127, pars. 2709-2, 2709-4, 2709-4.2, and 2709-6 et seq.) [30 ILCS 750/9-2, 9-4, 9-4.2, and 9-6 et seq.]. The technical evaluation will address the following criteria:

~~1)~~ i) Evidence of Need for Program Funding - The company must demonstrate the need for program funds in accordance with requirements of Section 9-4(c) of the Act including evidence that the project's financing cannot be obtained without Department participation at an interest rate and term which makes the project viable; and the leverage of other funds in accordance with Sections 9-4(a) and (b) and 9-6(a) and (b) of the Act.

~~2)~~ ii) Project Implementation Readiness - The company must demonstrate project readiness, including identifying loans and investments from all lenders and investors on letterhead, signed and dated; time schedule for project initiation; and written cost estimates from contractors, suppliers, and/or architects which support project costs.

~~3)~~ iii) ~~Job Creation/Retention~~Employment Impact -

~~A)~~ The application ~~must~~shall provide evidence of: employment impact/opportunity (e.g., job creation/retention), including written assurance from the company which identifies a description of the type and the number of any jobs to be created/retained; ~~identification of the types of jobs created/retained;~~ and any evidence that such jobs ~~created/retained~~ will generate additional wealth for the community (e.g., final goods or services produced are sold in markets outside Illinois or final goods or services produced and sold locally substitute for those imported from outside the state) ~~--- preference will be given to these types of jobs; and generally a ratio of at least one job created/retained to each $10,000 in project funds unless waived by the Director. --- A project with a higher ratio will be considered for funding if the application demonstrates severe need (e.g., distressed community with an unemployment rate which is considerably higher than the state's average; area with limited economic development projects as evidenced by prior and current

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~~development---activities;---funding---would---support business-with-potential-to-generate-additional-growth in-area-and-creation-of-jobs-as-a-result-of-spinoff businesses; - funding - needed - to - avert - loss - of - the area's - major - source - of - employment, - etc.}~~. Special consideration will be given to a Minority, Women and Disability Business Project or to a project which demonstrates additional need (e.g.:

Distressed community or county with an unemployment rate which is 25% higher than the state average, or a per capita income which is less than the state average, or

Area with limited economic development as evidenced by absence of development activities within the last two years or as evidenced by new job growth rate less than the state or national average, or

Funding would support business which has provided assurance that the project will generate business growth and make an employment impact/opportunity in the community as a result of spinoff businesses, and thus evidence that the additional jobs will be created or retained, or

Funding is needed to avert loss of a major employment source (more than 100 jobs or 2% of the local base) in the community, or

Jobs to be created or retained offer wages substantially higher than the prevailing wage in the industry as determined by the Illinois Department of Labor pursuant to the Prevailing Wage Act [820 ILCS 130/0.01 et seq.] and Section 6-3 of the Illinois Purchasing Act [30 ILCS 505/6-3], or an annual wage higher than the state's median income as computed by the Department's Division of Research and Analysis, 620 E. Adams Street, Springfield, Illinois 62701, (217) 785-6117).

~~B) Minority - and - Women - owned - businesses - and - businesses owned - by - persons - with - disabilities - requesting - loans of - $50,000 - or - less - shall - be - allowed - a - ratio - of - at least - one - job - created/retained - to - each - $15,000 - in project - funds.~~

~~C) IDOT--certified--DBE's/WBE's--requesting--contractor finance-loan-participations-of-$10,000-up-to-$100,000~~

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~~shall - be - allowed - a - ratio - of - at - least - one - full - time equivalent - (FTE) - job - created/retained - to - each - $15,000 in - project - funds. - - (One - FTE - job - is - equal - to - 1,950 hours - worked.)~~

iv) Evidence of how the Company will modernize or improve their competitiveness. The Company must demonstrate how they will accomplish the following:

improve productivity;

reverse an actual or expected decline in production; or

improve the Company's competitive advantage.

~~b)~~ B) Financial Evaluation Component - The applicant's financial statements, including the items in Section ~~570.20 - (c), - (d), - (h), - and - (k)~~570.25(a)(1)(C), (D), (G), (H), and (K), as applicable, will be reviewed through a standard credit analysis which will determine the: liquidity and debt coverage for the project; ability of the company to manage debt; business trends, and projected earnings. This data will be compared to similar data for companies in the same industry using the "RMA Annual Statement Studies" (published by Robert Morris Associates, P.O. Box 8500, S-1140 Philadelphia, PA, 19178), or a comparable source (1990~~3~~ with no later amendments or editions) if such industry is evaluated by this source. This standard credit analysis will determine the financial stability of the company in accordance with Section 9-4(f) of the Act.

2) The criteria for evaluating the Technical Assistance Grant Program shall be the following:

A) Evidence of Rationale for Program Funding - The company shall demonstrate, in accordance with Section 9-6(b) of the Act, that the project would not be undertaken unless the grant is provided along with the leverage of other funds in accordance with Section 9-6 of the Act and Section 570.60(a)(2).

B) Project Implementation Readiness - The company must demonstrate project readiness, including identifying sources of cash and in-kind matching funds and time schedule for project initiation.

C) Program Purpose - The degree to which the proposed project fulfills the program purpose.

D) Management - The management capacity of the applicant and its potential for completing the project.

E) Costs for Expected Results - The appropriateness of the project costs in terms of the project objectives, the work to be undertaken and the results expected.

3) The Criteria for Evaluating Development Corporation Grant Applications are the Following:

A) Department staff will screen all applications to determine that all minimum requirements of the application package have been addressed. Applications will be reviewed in accordance with Department review criteria listed in subsection (B).

B) A request for financial assistance to set up and operate a Development Corporation will be evaluated in accordance with the requirements of this Part. The review of applications will begin after the application due date and take no more than 75 working days, with financial assistance awards being announced at the end of that period. Applications will be evaluated on the basis of:

i) The extent of economic distress and unemployment in the area to be served; the nature of financial needs of the area and the geographic diversity of the applicants;

ii) The capability of the applicant and its staff as demonstrated by existing or past experience in managing similar work activities to those proposed to be undertaken;

iii) Time schedule for project initiation, etc. indicating the level of project readiness;

iv) Actual or anticipated amount of capitalization, extent of leveraging of other financial resources and consistency of proposed items of expenditure with the requirements of the Act;

v) The merits of the proposed work plan and consistency of proposed activities with the program purpose;

vi) The level of economic development results expected in terms of development financing, retooling or modernization, jobs created or retained, private funds leveraged, etc. and level of other significant benefits or impacts;

vii) Evidence of direct linkages or coordination between the proposed program and private financial institutions and public investment/loan/guarantee programs; and

viii) The anticipated financial feasibility of the project and its ability to maintain continuous operation beneficial to the public as determined by anticipated operational costs of less than or equal to anticipated income or the availability of equity to cover any shortfalls based on the company's historical and projected financial statements.

b) Indirect Funding

1) The criteria for evaluating the Participation Loan Program, the Loan Loss Reserve Program and the Development Corporation Participation Loan Program shall be the following:

A) Technical Evaluation Component - Each application will be reviewed to assure compliance with technical program requirements as specified in Sections 9-2, 9-4, 9-4.2, and 9-6 et seq. of the Act [30 ILCS 750/9-2, 9-4, 9-4.2, and 9-6 et seq.]. The technical evaluation will address the following criteria:

i) Evidence of Need for Program Funding - The company must demonstrate the need for program funds in accordance with requirements of Section 9-4(c) of the Act including evidence that the project's financing cannot be obtained without Department participation at an interest rate and term which makes the project viable; and the leverage of other funds in accordance with Sections 9-4(a) and (b) and 9-6(a) and (b) of the Act.

ii) Project Implementation Readiness - The company must demonstrate to the financial intermediary according to procedures and tests developed by the financial intermediary that it is ready to

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implement the project.

iii) Employment Impact - The application shall provide evidence of: employment impact/opportunity (e.g., job creation/retention), a description of the type and number of any jobs to be created/retained and any evidence that such jobs will generate additional wealth for the community (e.g., final goods or services produced are sold in markets outside Illinois or final goods or services produced and sold locally substitute for those imported from outside the state). Special consideration will be given to a Minority, Women and Disability Business Project or to a project which demonstrates additional needs (e.g.:

Distressed community or county with an unemployment rate which is 25% higher than the state average, or a per capita income which is less than the state average, or

Area with limited economic development as evidenced by absence of development activities within the last two years or as evidenced by new job growth rate less than the state or national average, or

Funding would support business which has provided assurance that the project will generate business growth and make an employment impact/opportunity in the community as a result of spinoff businesses, and thus evidence that the additional jobs will be created or retained, or

Funding is needed to avert loss of a major employment source (more than 100 jobs or 2% of the local base) in the community, or

Jobs to be created or retained offer wages substantially higher than the prevailing wage in the industry as determined by the Illinois Department of Labor pursuant to the Prevailing Wage Act [820 ILCS 130/0.01 et seq.] and Section 6-3 of the Illinois Purchasing Act [30 ILCS 505/6-3], or an annual wage higher than the state's median income as computed by the Department's Division of Research and Analysis,

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620 E. Adams Street, Springfield, Illinois 62701, (217) 785-6117).

iv) Evidence of how the Company will modernize or improve their competitiveness - The Company must demonstrate how they will accomplish the following:

improve productivity;

reverse an actual or expected decline in production; or

improve the Company's competitive advantage.

B) Financial Evaluation Component - The financial intermediary will perform a credit analysis of the company using procedures and tests developed by the financial intermediary to determine the ability of the company to carry out the project.

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

Section 570.40 Selection for Funding
EMERGENCY

a) Direct Funding

~~a)~~ 1) For any Direct Loan application which meets the criteria of Section 570.30(a)(1), Department staff or designee will then conduct field visit evaluations to verify information in the application, leading to the final funding decision. ~~Because of the certification process by IDOT of DBE's/WBE's and the inspections of the work by IDOT staff, subsection (a) shall not apply to DBE/WBE contractor financing.~~ The field visit will analyze the following:

~~i)~~ A) an assessment of the project in terms of ~~job creation or retention~~the employment impact/opportunity involved, in relation to the value of the funds requested and types of jobs preferred as described in Section 570.30(a)~~(3)~~(1)(A)(iii);

B) an assessment of the project in terms of the modernization and improvement of competitiveness of the company, in relation to the value of the funds requested as described in Section 570.30(a)(1)(A)(iv);

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~~2)~~ C) a verification of submitted application information; and

~~3)~~ D) past performance of the applicant under previous Departmental programs, if applicable (e.g., success in previous projects and the level of compliance with previous agreements).

~~b)~~ 2) Applications that best meet the objectives of the programs and demonstrate the greatest potential for job creation/retention or those which modernize or improve the competitiveness of the firm, will receive loan or grant funds, until all available funds are expended.--~~The Department will place the highest priority on the making of loans.~~

3) For any Technical Assistance Grant application which meets the criteria of Section 570.30(a)(2), Department staff will verify information in the application, leading to the final funding decision. The evaluation will analyze the following:

A) a verification of submitted application information; and

B) past performance of the applicant under previous Departmental programs, if applicable (e.g., success in previous projects and the level of compliance with previous agreements).

4) A request for financial assistance to organize a Development Corporation will be evaluated in accordance with the requirements of Section 570.30(a)(3). The review of applications will begin after the application due date and take no more than 75 working days, with financial assistance awards being announced at the end of that period.

b) Indirect Funding

1) For the Participation Loan Program Application, the financial intermediary staff will be responsible for the verification of the information in the application. The Department staff will evaluate the information submitted by the financial intermediary in order to determine that all requirements of the application package have been addressed.

2) For the Loan Loss Reserve Program Application, the

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financial intermediary staff will be responsible for the verification of the information in the application.

3) For the Development Corporation Participation Program, the financial intermediary staff will be responsible for the verification of the information in the application. The Department staff will evaluate the information submitted by the financial intermediary in order to determine that all requirements of the application package have been addressed.

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

Section 570.50 Funding Limitations
EMERGENCY

a) Direct Funding

~~a)~~ 1) In accordance with Sections 9-4(b) and 9-64.2(b) of the Act, the Department shall finance no more than the lesser of 25% of the total project or $750,000 (50% of the project or $50,000 for Minority, Women and Disability Business Loans) unless the Director--~~will~~ waives limitations governing the amount of the loan~~/grant~~ and percentage of leverage when it is determined that these funding limitations would prohibit an otherwise approved project, in accordance with Sections 570.30(a) and 570.40(a), and the subsequent ~~job--creation/retention~~employment impact/opportunity, from occurring.

~~b) Minority and women owned businesses applying for loans not exceeding $50,000 shall be granted automatic Director waivers of the 25% of the total amount of any single project limitation up to 50% of the total amount of any single project.~~

2) For the Technical Assistance Grant Program, the funding limitation will not exceed $25,000 unless a Director waiver is granted. The recipient of grant funds shall be required to provide a portion of the financing with respect to the project. The recipients' financing may be in the form of cash, in-kind services or any other form approved by the Department.

3) Department Financial Assistance to a Development Corporation in the form of a grant shall be limited to not more than $10,000, unless a Director waiver is granted.

b) Indirect Funding

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1) For each loan in which the Department buys a participation under the Participation Loan Program, the financial intermediary will be required to retain at least 50% of the amount of its loan. The Department's participation will not exceed 25% of the total amount of the project or $750,000. In accordance with Section 570.50(a)(1), the Director may waive limitations governing the amount of the loan and percentage of leverage when it is determined that these funding limitations would prohibit an otherwise approved project.

2) As to the amounts received by the ultimate recipients of funds, the Loan Loss Reserve Program funding limitations will be established by the financial intermediary staff involved.

3) Department Financial Assistance to or through a Development Corporation in the form of a participation shall not be made for more than 50% of the Development Corporation's loan and the Department's participation will not exceed 25% of the total amount of the project or $750,000 unless the Director waives limitations governing the amount of the loan and percentage of leverage when it is determined that these funding limitations would prohibit an otherwise approved project, in accordance with Section 570.50(a)(1).

4) Notwithstanding the provisions of 570.50(b)(1) and (3), Minority, Women and Disability Participation Loans, in accordance with Section 9-4.2 of the Act, shall not exceed the lesser of $50,000 or 50% of the total amount of the project unless a Director waiver is granted.

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

Section 570.60 Allowable Leverage
EMERGENCY

a) Direct Funding

1) In addition to the forms of allowable leverage defined in Sections 9-4(a) and 9-6(a) of the Act, allowable leverage will include such tangible assets as:

~~a)~~ A) under-utilized land and/or buildings which are a part of the project;

~~b)~~ B) machinery and equipment brought into the state from another state;

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~~c)~~ C) cash equity provided by the principal(s), stockholders, or other investors; and

~~d)~~ D) funds expended by the business prior to the date of a loan or grant award; existing in-state equipment, land, buildings, furnishings, inventory (already owned and being utilized); lines of credit; post-project costs; and debt refinancing will not be considered as leverage~~; and~~.

~~e) lines of credit shall be allowed for BBE/WBE contractor finance loan participations with terms not exceeding two years.~~

2) For the Technical Assistance Grant Program, forms of allowable leverage are cash and in-kind services. In-kind services may include the following:

A) real or personal property;

B) services; or

C) any other form as designated by the Department.

3) For the Development Corporation Grant Program, the recipient of the grant funds shall be required to provide a portion of the financing with respect to the project. The recipient's financing shall be in the form of cash. Department funds must be matched 1:1 by cash from private sources. None of the matching funds shall have originated as a loan or a grant or other investment of local, state or federal government funding. Gifts, grants, loans, revolving loan funds, or stock purchases by local, state, or federal governments are encouraged but will not be considered in calculating Development Corporation match.

b) Indirect Funding

1) For the Participation Loan Program, the allowable leverage shall be in the form of a loan, letter of credit, guarantee, purchase or any other form approved by the Department, along with Section 570.60(a)(1).

2) For the Loan Loss Reserve Program, the allowable leverage will be established by the financial intermediary staff involved.

3) For Development Corporation Participations, the allowable leverage shall be in the form of a loan, letter of credit, guarantee, bond purchase or any other form approved by the

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department along with Section 570.60(a)(1).

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

Section 570.70 Administrative Requirements
EMERGENCY

a) Direct Funding

~~a)~~ 1) Loan Recipients

~~1)~~ A) Loan Terms - Loans for real estate normally will be repaid over a period of ~~up-to~~10 to 25 years; loans primarily utilized for machinery and equipment will generally vary from 5 to 10 years. Loans not secured by a lien on tangible assets generally require personal guarantees. Loans primarily intended for short term working capital needs will normally be repaid over a period of 3 months to 5 years. These loans will generally require personal guarantees from all individuals/entities owning or controlling 20~~%~~ percent or more of the applicant company, or any lower amount as determined by the Department. For small companies without major identifiable principals (e.g., no one owns 20~~%~~ percent or more of the company), the amount of the loan ~~is~~may be limited to 80~~%~~ percent of the value of the fixed asset securing the loan. Periodic installments shall be due and payable to the Department in the method and time(s) specified in the loan agreement. All payments shall be applied first to interest and then to principal on all simple interest loans. All payments on amortized loans will be applied to the amortization schedule as stated.

~~2)~~ B) Reporting - The Recipient (applicant receiving loan funds) will provide, at least annually, information and reports required by the Department (e.g., reports on job creation/retention; financial statement of assets, liabilities, and net worth).

~~3) Events-of-Default---The-entire-unpaid-principal-of-a-loan, and-the-interest-then-accrued-thereon,-shall-become-and-be immediately-due-and-payable-upon-the-written-demand-of-the Department,-without-any-other-notice,-demand,-presentment or-protest-of-any-kind,-if-any-one-of-the-following-events (hereafter-an-"event-of-default")-shall-occur-and-be continuing,--whether--voluntarily--or--involuntarily,--and without-limitation.~~

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~~A) Non-Payment-of-Loan---If-the-Recipient-shall-fail-to pay-when-due-any-amount-due-under-the-note-or-other amount-payable-to-the-Department-under-the-loan agreement-and-if-the-failure-to-make-payment-shall remain-unremedied-for-ten-(10)-days-unless-otherwise stated-in-the-loan-agreement).~~

~~B) Non-Payment-of-Other-Indebtedness---If-default-shall be-made-in-the-payment-when-due-of-any-installment-of principal-or-of-interest-on-any-of-the-Recipient's other-indebtedness-(any-creditor-the-Recipient-owes) and-if-such-default-shall-remain-unremedied-for-(15) days-unless-otherwise-stated-in-the-loan-agreement.~~

~~C) Incorrect--Representation--or--Warranty-----If--any representation-or-warranty-contained-in,-or-made-in connection-with-the-execution-and-delivery-of,-the loan--agreement,--or--in--any--certificate--furnished pursuant-hereto,-shall-prove-to-have-been-incorrect.~~

~~D) Default-in-Covenants---If-the-Recipient-shall-default in-the-performance-of-any-other-term,-covenant-or agreement-contained-in-the-loan-agreement,-and-such default-shall-continue-unremedied-for-ten-(10)-days (unless-otherwise-stated-in-the-loan-agreement)-after either:~~

~~i) it-becomes-known-to-an-executive-officer-of-the Recipient,-or~~

~~ii) written-notice-thereof-shall-have-been-given-to the-Recipient-by-the-Department.~~

~~E) Voluntary-Insolvency---If-the-Recipient-shall-cease to-pay-its-debts-as-they-mature-or-shall-voluntarily file-a-petition-seeking-reorganization-of,-or-the appointment-of-a-receiver,-trustee,-or-liquidation-of its--assets--or--to--effect--a--repayment--plan--with creditors,-or-shall-be-adjudicated-bankrupt,-or-shall make--a--voluntary--assignment--for--the--benefit--of creditors.~~

~~F) Involuntary-Insolvency---If-an-involuntary-petition shall--be--filed--against--the--Recipient--under--any bankruptcy--or--insolvency--law--or--seeking--the reorganization-of-or-the-appointment-of-any-receiver, trustee-or-liquidator-for-the-Recipient,-or-the~~

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~~property-of-the-Recipient,-or-a-writ-or-warrant-of attachment-shall-be-issued-against-the-property-of the--Recipient--and--such--petition--shall--not--be dismissed,-or-such-writ-or-warrant-of-attachment shall-not-be-released-or-bonded-within-thirty-(30) days-after-filing-or-levy.~~

~~6)~~ ~~Judgments---If-any-final-judgment-for-the-payment-of money--that--is--not--fully--covered--by--liability insurance-shall-be-rendered-against-the-Recipient, and-within-thirty-(30)-days,-shall-not-be-discharged, or-an-appeal-therefrom-taken-and-execution-thereon effectively-stayed-pending-such-appeal,-and,-if-such judgment-be-affirmed-on-such-appeal,-the-same-shall not-be-discharged-within-thirty-(30)-days.~~

~~4)~~ ~~Notice-of-Default---The-Recipient-agrees-to-give-written notice-to-the-Department-of-any-event,-within-15-days-of the--event,--which--constitutes--an--event--of--default--as specified-in-Section-570.70(a)(3).~~

~~5)~~ C) Monitoring and Evaluation - Recipients must permit any agent authorized by the Department, upon presentation of credentials, to have full access to and the right to examine any documents, papers, and records of the Recipient involving transactions related to a loan from the Department.

~~6)~~ D) Recipients shall keep detailed records of the project and the use of loan proceeds. Recipients of loans of more than $100,000 ~~or--more~~shall furnish to the Department, with the submission of financial statements (see Section 570.70(a)(~~7~~E)) following the expenditure of project funds, a written audit of the project and the use of loan proceeds. The audit shall be conducted by certified public accountants licensed by the State of Illinois in accordance with the Illinois Public Accounting Act (Ill. Rev. Stat. 198991, ch. 111, pars. 5500-5536) [225 ILCS 450/0.01] unless for good cause, the Department allows the audit to be conducted by an accountant certified by the proper authorities of another state and shall be in accordance with generally accepted auditing standards adopted by the American Institute of Certified Public Accountants (AICPA) (1991, with no later amendments or editions). The address of the AICPA is: 1211 Avenue of the Americas, New York, N.Y. 10036-8775. For Recipients of loans ~~of~~equal to or less than $100,000 the Department or its designee

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will conduct one or more inspections of the project and the use of loan proceeds records to verify the use of project funds.

~~7)~~ E) Financial Statements - The Recipient shall provide as often as requested by the Department, an unaudited financial statement of the Recipient as at the end of the quarter of the Recipient's fiscal year then elapsed, certified by the Recipient's principal financial officer (e.g., controller, treasurer, chief financial officer) and prepared in accordance with generally accepted accounting principles (issued by the Financial Accounting Standards Board (FASB) (1991, no later amendments or editions) located at 401 Merritt Seven, P.O. Box 5116, Norwalk, ~~Connecticut~~CT 06856) and fairly presenting the financial position and results of all operations of the Recipient for such quarter. The Recipient shall furnish to the Department:

~~A)~~ i) if the original amount of the loan is less than or equal to $100,000, as soon as available, but not later than 120 days after the end of each fiscal year of the Recipient, a true and correct copy of the Recipient's federal income tax return for such year just ended provided, however, that if the Recipient provides the Department with a copy of a request for automatic extension filed by the Recipient with the Internal Revenue Service, the required date of delivery shall automatically be extended for four months if the Recipient is an individual and six months if the Recipient is a corporation;

~~B)~~ ii) if the original amount of the loan is ~~equal-to~~ orgreater than $100,000 but less than or equal to $250,000, as soon as available, but not later than 120 days after the end of each fiscal year of the Recipient, financial statements of the Recipient as at the end of such year (reviewed by certified public accountants, licensed by the State of Illinois or any other state and satisfactory to the Department) containing a certificate of the aforesaid public accountants certifying to the Department that they are not aware of the occurrence or existence of any condition or event which constitutes a default; or

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~~C)~~ iii) if the original amount of the loan is ~~equal to or~~greater than $250,000, as soon as available, but not later than 120 days after the end of each fiscal year of the Recipient, financial statements of the Recipient as at the end of such year examined by certified public accountants (licensed by the State of Illinois or any other state and satisfactory to the Department) containing the unqualified opinion of such public accountants with respect to the financial statements and a certificate of the aforesaid public accountants certifying to the Department that they are not aware of the occurrence or existence of any condition or event which constitutes a default.

~~D)~~ iv) if a Recipient has complied with ~~subsection (a)(6)~~Section 570.70(a)(1)(D) and has submitted financial statements in accordance with ~~subsection-----(a)(7)(D),-----or-----(C)~~Section 570(a)(1)(E)(ii), or (iii) covering the fiscal year ending after the date of funding, the Department may, for good cause (i.e., financial hardship, merger, change of fiscal year end, etc.), accept:

~~i)~~ for a loan with an original amount of at least $100,000, but less than $250,000, a copy of the Recipient's federal tax return and compiled financial statements, or

~~ii)~~ for a loan with an original amount of $250,000 or more, reviewed financial statements~~, provided the Recipient requests and receives the Department's approval prior to, but not more than six months before the end of the fiscal year for which the statements are being prepared.~~

~~8)~~ ~~Nondiscrimination-----The--Recipient--shall--refrain--from unlawful--discrimination--in--employment--and--undertake affirmative--action--to--assure--equality--of--employment opportunity---and---eliminate---the---effects---of---past discrimination--in--accordance--with--the--Illinois--Human Rights Act (Ill. Rev. Stat. 1989, ch. 68 pars. 1-101 et seq.).~~

~~9)~~ ~~Maintenance and Insurance of Property~~

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~~A)~~ ~~The--Recipient--shall--at--all--times--maintain--the property provided as security for the loan in such condition and repair that the Department's security will be adequately protected.~~

~~B)~~ ~~The Recipient shall maintain, during the term of the loan, adequate (at least covering the amount of the loan) hazard (e.g., tornado, hail, acts of God) insurance--policies,--covering--fire--and--extended coverage for all such other hazards and issued by an insurance company authorized to do business in the State--of--Illinois--with--loss--payee/additional insured/mortgagee clauses, as applicable, in favor of the Department.~~

~~C)~~ ~~The Recipient shall, if at any time during the life of the loan the Recipient's property is declared to be within a flood hazard area, purchase federal flood insurance if available. Such insurance shall be equal to the amount of the loan.~~

~~D)~~ ~~The Recipient shall maintain general liability and workers' compensation insurance.--The Recipient shall provide written notice to the Department of any public hearing or meeting before any administrative or other public agency which may, in any manner, affect the chattel, personal property or real estate securing the loan.~~

~~10)~~ ~~For--DBE/WBE--contractor--finance--loan--participations, compliance with subsection (a) shall be obtained, either directly from the Recipient or indirectly through the lender making the participated loan, in accordance with and as stated in the agreements established (and approved by the Department) between the Recipient and the Department, the Recipient and the lender, and the Department and the lender.~~

~~b)~~ ~~Grant Recipients~~

~~1)~~ ~~Reporting---The Recipient (applicant receiving grant funds) will provide, at least annually, information and reports required by the Department (e.g., reports on job creation/retention).~~

~~2)~~ ~~Termination of Grants---Grants shall be terminated for the following reasons:~~

~~A)~~ ~~Termination Due to Loss of Funding---In the absence~~

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of state funding for a grant year, all grants for that year will be terminated in full. In the event of a partial loss of state funding, the Department will make proportionate cuts to all grant Recipients. In the event the Department suffers such a loss of funding in full or part, the Department will give the grant Recipient written notice setting forth the effective date of full or partial termination, or if a change in funding is required setting forth the change in funding and changes in the approved budget.

B) Termination for Cause

i) If the Department determines that the Recipient has failed to comply with the terms and conditions of the grant, the Department shall terminate the grant in whole, or in part, at any time before the date of completion. Circumstances which will result in the termination of a grant include, but are not necessarily limited to the following: consistent failure to submit required reports; failure to maintain required records; failure to protect inventory; misuse of equipment purchased with grant funds; evidence of fraud and abuse; consistent failure to meet performance standards; and failure to resolve points of the agreement (i.e., narrative, number to be served). These circumstances are explained in the grant agreement.

ii) The Department shall promptly notify the Recipient in writing of the determination to terminate, the reasons for such termination, and the effective date of the termination. Payments made to the Recipient or recoveries by the Department shall be made in accordance with legal rights and liabilities explained in the grant agreement.

C) Termination by Agreement - The Department and the Recipient shall terminate the grant in whole, or in part, when the Department and the Recipient agree that the continuation of the program objectives would not produce beneficial results commensurate with the future expenditures of funds. The Department and the Recipient shall agree upon termination conditions, including the effective date and, in the case of partial termination, the portion to be terminated.

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The Recipient shall not incur new obligations for the terminated portion after the effective date, and shall cancel as many outstanding obligations as possible. The Department shall allow full credit to the Recipient for the Department's share of the noncancellable obligations, properly incurred by the Recipient prior to termination.

3) Monitoring and Evaluation - Recipients must permit any agent authorized by the Department, upon presentation of credentials, to have full access to and the right to examine any documents, papers, and records of the Recipient involving transactions related to a grant from the Department.

4) Audits

A) The Recipient shall be responsible for having an audit of all grant records and such audit must be performed by an independent certified public accountant, licensed by authority of the State of Illinois in accordance with the Illinois Public Accounting Act (Ill. Rev. Stat. 1989, ch. 111, pars. 5500-5536) unless, for good cause, the Department allows the audit to be conducted by an accountant certified by the proper authorities of another state. The audit must be conducted in accordance with generally accepted auditing standards adopted by the AICPA (see subsection (a)(6)).

B) The Recipient may secure an independent audit of its grant in the same manner as it secures its regular audits, provided it provides for maximum open and free competition. The audit should be conducted as part of the Recipient's normal annual audit or, when the ending period of the audit covers the expenditure of all grant funds, bi-annual audit.

C) Recipients shall keep detailed records of the project.

D) The Recipient shall work cooperatively with the audit firm selected; actively work with both the audit firm and the Department to resolve any and all audit findings; and work cooperatively with the Department's staff in preparing for, conducting, and resolving audits.

E) Any Recipient receiving a grant will provide the

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~~Department-with-3-copies-of-its-annual-audit-which addresses-Department-grant(s).--In-instances-where the-grant-period-or-term-does-not-coincide-with-the Recipient's-fiscal-year,-two-fiscal-audit-reports shall-be-forwarded-to-the-Department.~~

~~F) The-Department-reserves-the-right-to-conduct-special audits,-including-but-not-limited-to-an-agency-wide audit,-at-any-time-during-normal-working-hours-of funds-expended-under-Department-grants.~~

~~G) Any-independent-public-accounting-firm-that-provides consultant-services-to-a-Recipient-is-prohibited-from conducting-an-audit-of-that-Recipient-for-the-period during-which-services-were-rendered.~~

~~5) Complaint-Process---In-the-event-of-a-Recipient-complaint, the-Department-will-follow-the-procedures-outlined-in-47 Ill.-Adm.-Code-10-(Review-and-Appeal-Procedures).~~

~~6) Interest-on-Grant-Funds---In-accordance-with-Section-10-of the-Illinois-Grant-Funds-Recovery-Act-(Ill.-Rev.-Stat. 1989,-ch.-127,-par.-2310),-all-interest-earned-on-funds held-by-the-Recipient-under-the-grant-shall-become-part-of the-grant-when-earned.--Any-interest-earned-under-the grant,-and-not-expended-as-grant-principal-during-the-term of-the-grant,-shall-be-returned-to-the-Department.~~

~~7) Nondiscrimination-----The--Recipient--shall--refrain--from unlawful--discrimination--in--employment--and--undertake affirmative--action--to--assure--equality--of--employment opportunity---and---eliminate---the---effects---of---past discrimination--in--accordance--with--the--Illinois--Human Rights-Act-(Ill.-Rev.-Stat.-1989,-ch.-68,-pars.-1-101 et-seq.).~~

~~8) Financial-Management---The-Recipient's-financial-management system-shall-be-structured-under-the-Accounting-Standards of-the-Financial-Accounting-Standards-Board-(see-subsection (a)(7))-to-maintain-control-and-accountability-over-grant funds.~~

2) Development Corporation Grant Recipients

A) Financial Assistance Agreement - During formal negotiations and discussions held with the Department, the Department and the applicant will agree to the scope of work of the agreement and the period of the agreement.

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B) Financial Statements - The Development Corporation will provide, at least annually, information and reports required by the Department, including the Corporation's balance sheet, profit and loss statement, and other financial reports due within 45 calendar days of the end of the state fiscal year.

C) Progress Reports - Progress reports, pertaining to and describing the progress toward the project goals, shall be submitted to the department by the recipient as specified in the grant agreement.

D) Method of Compensation - Payments pursuant to a Financial Assistance Award are subject to the availability of funds appropriated to the Department by the Illinois General Assembly. Payments to the Development Corporation are subject to the initiation of an invoice voucher. Financial assistance must be obligated, vouchered and liquidated within the period of the agreement or some period of time as determined by the Department.

E) Record Review and Monitoring - Development Corporations and their subcontractors, if any, must permit any agent authorized by the Department, upon presentation of credentials, to have full access to and the right to examine any documents, papers and records of the Development Corporation involving transactions related to a Financial Assistance Award under this program, for three (3) years from the date of submission of the final progress report or until audit findings have been resolved, whichever is later.

F) Audits

i) The Development Corporation shall be responsible for securing an audit of all loan records and such audit must be performed by an independent certified public accountant, licensed by authority of the State of Illinois pursuant to the Illinois Public Accounting Act [225 ILCS 450/0.01]. The audit must be conducted in accordance with generally accepted auditing standards adopted by the American Institute of Certified Public Accountants (AICPA).

ii) The Development Corporation shall work

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cooperatively with the audit firm selected; actively work with both the audit firm and the Department to resolve any and all audit findings; and work cooperatively with the Department's staff in preparing for, conducting, resolving audits.

iii) The Department reserves the right to conduct special audits, including but not limited to, an agency-wide audit, at any time during normal working hours of funds expended under Department grants.

iv) Any independent public accounting firm that provides consultant services to a Development Corporation is prohibited from conducting an audit of that Development Corporation for the period during which services were rendered.

3) Technical Assistance Grant Recipients

A) Financial Assistance Agreement - During formal negotiations and discussions, the Department and the applicant will agree to the scope of work and the period of the grant agreement.

B) Expenditure Summary - The recipient shall maintain appropriate records of actual grant related costs and leverage expended by the recipient. These grant related costs and leverage expenditures shall be reported to the department as specified in the grant agreement.

C) Progress Reports - Progress reports, pertaining to and describing the progress toward the project goals, shall be submitted to the Department by the recipient as specified in the grant agreement.

D) Department Monitoring and Evaluation - A recipient must permit any agent authorized by the Department, upon presentation of credentials, to have full access to and the right to examine any documents, papers and records of the recipient involving transactions related to financial assistance from the Department.

E) Method of Compensation - Payments under this program shall be reimbursements of eligible costs. Payments pursuant to a grant are subject to the availability of funds appropriated to the department by the

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Illinois General Assembly. Payments to the recipient are subject to receipt of invoice vouchers and conformance with the terms of the approved grant agreement.

b) Indirect Funding

1) For the Participation Loan Program, financial statements of the recipients required by the financial intermediary shall be submitted to the Department by the financial intermediary, in accordance with and as stated in the Agreements established and approved by the Department and executed by the recipient and the financial intermediary and the Department and the financial intermediary. Other reporting (e.g., employment impact, modernization effectiveness or competitive improvement), as deemed necessary by the Department, shall be obtained from the recipient.

2) For the Loan Loss Reserve Program, the administrative requirements will be established by the financial intermediary.

3) For the Development Corporation Participation Loan Program, financial statements of the recipients required by the financial intermediary shall be submitted to the Department by the financial intermediary, in accordance with and as stated in the Agreements established and approved by the Department and executed by the recipient and the financial intermediary and the Department and the financial intermediary. Other reporting (e.g., employment impact, modernization effectiveness or competitive improvement), as deemed necessary by the Department, shall be obtained from the recipient.

(Source: Emergency amendment at 17 Ill. Reg. _____, effective November 23, 1993, for a maximum of 150 days)

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NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Illinois Small Business Development Program

2) Code Citation: 14 Ill. Adm. Code 570

3)

Section Numbers:	Proposed Action:
570.10	Amendment
570.20	Amendment
570.25	Amendment
570.30	Amendment
570.40	Amendment
570.50	Amendment
570.60	Amendment
570.70	Amendment

4) Statutory Authority: Implemented and authorized by the Small Business Development Act (Ill. Rev. Stat. 1991, ch. 127, pars. 2709-1, 2709-2, 2709-3, 2709-4, 2709-4.2, and 2709-6 et seq.) [30 ILCS 750/9-1-10]; and as amended by Public Act 88-422.

5) A Complete Description of the Subjects and Issues Involved:

This rulemaking establishes the Participation Loan Program, the Loan Loss Reserve Program, the Development Corporation Participation Loan Program and provides for Technical Assistance Grants and Development Corporation Grants under the Small Business Development Act.

These rules will provide small businesses with additional opportunities for financial assistance and better utilization of available revolving loan funds and will open additional delivery systems through financial intermediaries for small businesses seeking financial assistance.

6) Will these proposed amendments replace an emergency rule currently in effect? No.

7) Does this rulemaking contain an automatic repeal date? No.

8) Do these proposed amendments contain incorporations by reference? No.

9) Are there any proposed amendments pending on this Part? Yes.

10) Statement of Statewide Policy Objectives: This rulemaking does not create or expand a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1991, ch. 85, par. 2203) [30 ILCS 805/3].

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Interested persons may present their comments concerning this proposed rulemaking in writing within 45 days after this edition of the Illinois Register to the following:

DEPARTMENT OF COMMERCE AND COMMUNITY AFFAIRS

NOTICE OF PROPOSED AMENDMENTS

Mr. E. Norman Sims, Deputy Director
Department of Commerce and Community Affairs
Bureau of Community Development
620 East Adams Street, 6th Floor
Springfield, Illinois 62701
Telephone Number: (217) 785-6174
T.D.D. Number: (217) 785-6055

12) Initial Regulatory Flexibility Analysis:

A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: Not Applicable.

B) Types of small businesses affected: Small businesses (such as Minority, Women, Disabled, etc.) will now have greater access to capital.

C) Reporting, bookkeeping or other procedures required for compliance: Requirements under the Small Business Development Program must be followed including, but not limited to, application, financial information, essential need, monitoring project overview and repayment provisions (if applicable).

D) Types of professional skills necessary for compliance: Applicants will need a basic understanding of the application and monitoring processes.

The full text of the Proposed Amendments is identical to the Emergency Amendments which begins on page 21087 of this Illinois Register.

DEPARTMENT OF PUBLIC AID

NOTICE OF WITHDRAWAL OF PROPOSED AMENDMENTS

1) Heading of the Part: Aid to Families with Dependent Children

2) Code Citation: 89 Ill. Adm. Code 112

3)

Section Numbers:	Proposed Action:
112.250	Amendment
112.252	Amendment
112.253	Amendment
112.254	Amendment

4) Date Notice of Proposed Amendments Published in the Illinois Register:

January 4, 1993 (17 Ill. Reg. 46)

5) Reason for the Withdrawal:

The Department has proposed amendments to Sections 112.250, 112.252, 112.253 and 112.254 to limit payments to AFDC applicants who have emigrated to Illinois from other states. The amendments provide that if an applicant has moved to Illinois from another state and received AFDC from that state during any of the twelve months immediately preceding the date the applicant's current Illinois residency began, the applicant is eligible to receive assistance in an amount no greater than the amount of AFDC received from the other state for the first twelve months of residency in Illinois.

The requested federal waivers needed to implement this proposal were not approved. Therefore, the Department is withdrawing the amendments which were previously proposed and published on January 4, 1993.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

NOTICE OF REFUSAL
TO MEET THE OBJECTION OF THE JOINT COMMITTEE ON ADMINISTRATIVE RULES

1) The Heading of the Part: Program Content and Guidelines for Division of Specialized Care for Children.

2) Code Citation: 89 Ill. Adm. Code 1200

3) Section Number: 1200.30; 1200.50 and 1200.70 Action: Refusal

4) Date Notice of Proposed Rules Published in the Register (if applicable):

May 28, 1993 17 Ill. Reg. 7780

5) Date JCAR Statement of Objection Published in Register:

September 3, 1993 17 Ill. Reg. 14188

6) Summary of Action Taken by the Agency:

Changes in criteria were proposed in anticipation of a significant budgetary shortfall for the coming fiscal year. They were developed as part of a package of administrative reductions, programmatic caps and income enhancements designed to avoid the necessity of more restrictive measures later in the year. To date, the agency's experience with implementation of this package indicates that the estimated expenditure savings are close to those anticipated and that administrative costs are being reduced to pre-1989 levels. Unfortunately, anticipated new revenues from a planned association with Medicaid's Healthy Moms/Healthy Kids program and increases expected in the federal Maternal and Child Health Services Block Grant have not been realized. Neither has there been any increase in the funds provided by the state to the University of Illinois for operation of the program. Discussions with the Comprehensive Health Insurance Plan (CHIP), however, have been very encouraging and it now appears that the two agencies will be able to reach an agreement which will allow a mutually beneficial sharing of costs. In regard to the amendments which prompted the Joint Committee's objection, we are convinced that without the savings made possible by the change in income level, DSCC would soon be forced to implement measures which would cause even greater hardship for families with even lesser resources.

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

FILING PROHIBITION

DEPARTMENT OF FINANCIAL INSTITUTIONS

Heading of Part: Schedules of Maximum Rates to be Charged for Check Cashing and Writing of Money Orders by Community and Ambulatory Currency Exchanges

Code Citation: 38 Ill Adm Code 130

Section Numbers: 130.30

Date Originally Published in the Illinois Register: 5/14/93
17 Ill Reg 6929

At its meeting on November 16, 1993, the Joint Committee on Administrative Rules voted to prohibit filing of the above proposed rulemaking with the Secretary of State. The Committee found that the adoption of these rules would constitute a serious threat to the public interest and welfare. The reason for the prohibition is as follows:

> The rulemaking constitutes a serious threat to the public interest by contravening legislative intent, and threatens the public welfare by imposing a severe economic burden on some currency exchange businesses while increasing revenues to others, and may force closure of businesses for which the cashing of Public Aid checks represents a large portion of the total transactions.

The proposed rules may not be filed with the Secretary of State or enforced by the Department of Financial Institutions for any reason for 180 days following receipt of this certification and statement by the Secretary of State.

COMMISSIONER OF BANKS AND TRUST COMPANIES

NOTICE OF PUBLIC INFORMATION

NOTICE OF PUBLIC MEETING

Notice is hereby given that the Illinois Electronic Fund Transfer Advisory Committee and the Illinois Data Processing Advisory Committee will hold their regularly scheduled meetings on Wednesday, December 8, 1993, at the Office of the Illinois Commissioner of Banks and Trust Companies, 310 South Michigan, Suite 2130, Chicago, Illinois. The meeting of the Illinois Electronic Fund Transfer Advisory Committee will begin at 10:30 a.m. The meeting of the Illinois Data Processing Advisory Committee will begin at 1:00 p.m. These meetings will be open to the public in accordance with the Open Meetings Act, 5 ILCS 120/1-120/6 (1992) [Ill. Rev. Stat. ch. 120, par. 41 (1991)].

These meetings will be accessible to handicapped individuals in compliance with Executive Order #5 and pertinent state and federal laws upon notification of anticipated attendance. Handicapped persons planning to attend and needing special accommodations should contact, either by telephone or by letter, Debra Rath, Room 100, Reisch Building, 117 South Fifth Street, Springfield, Illinois 62701 or (217)785-2837 to inform her of their anticipated attendance.

IIT Chicago Kent Law School Library

COMMISSIONER OF BANKS AND TRUST COMPANIES

NOTICE OF PUBLIC INFORMATION

NOTICE OF PUBLIC MEETING

Notice is hereby given that the State Banking Board of Illinois and the Board of Trustees of the Illinois Bank Examiners' Education Foundation will hold their regularly scheduled meetings on Thursday, December 16, 1993, at the Office of the Illinois Commissioner of Banks and Trust Companies, 310 South Michigan, Suite 2130, Chicago, Illinois. The meeting of the Board of Trustees of the Illinois Bank Examiners' Education Foundation will begin at 9:30 a.m. The meeting of the State Banking Board of Illinois will begin at 10:30 a.m. The meeting will be open to the public in accordance with the Open Meetings Act, 5 ILCS 120/1-120/6 (1992) [Ill. Rev. Stat. ch. 120, par. 41 (1991)].

This meeting will be accessible to handicapped individuals in compliance with Executive Order #5 and pertinent state and federal laws upon notification of anticipated attendance. Handicapped persons planning to attend and needing special accommodations should contact, either by telephone or by letter,Debra Rath, Room 100, Reisch Building, 117 South Fifth Street, Springfield, Illinois 62701 or (217)785-2837 to inform of their anticipated attendance.

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of November 16, 1993 through November 22, 1993, and have been scheduled for review by the Committee at its December 14, 1993 meeting. Other items not contained in this published list may also be considered. Members of the public wishing to express their views with respect to a rule should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 700 Stratton Office Bldg., Springfield IL 62706.

Second Notice Expires	Agency and Rule	Start of First Notice	JCAR Meeting
12/26/93	Illinois Commerce Commission, Accounting and Financial Record Requirements (92 Ill Adm Code 1376)	6/18/93 17 Ill Reg 8630	12/14/93
12/31/93	Department of Public Health, Pregnancy Termination Report Code (77 Ill Adm Code 505)	8/13/93 17 Ill Reg 13406	12/14/93
1/1/94	Department of Central Management Services, Merit and Fitness (80 Ill Adm Code 302)	9/17/93 17 Ill Reg 14788	12/14/93
1/1/94	Department of Central Management Services, Pay Plan (80 Ill Adm Code 310)	9/10/93 17 Ill Reg 14314	12/14/93
1/1/94	Secretary of State, Issuance of Licenses (92 Ill Adm Code 1030)	10/1/93 17 Ill Reg 15803	12/14/93
1/2/94	Pollution Control Board, Effluent Standards (35 Ill Adm Code 304)	9/24/93 17 Ill Reg 15223	12/14/93
1/2/94	Department of Central Management Services, Acquisition, Management and Disposal of Real Property (44 Ill Adm 5000)	9/24/93 17 Ill Reg 15217	12/14/93

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED
(Page 2)

Second Notice Expires	Agency and Rule	Start of First Notice	JCAR Meeting
1/5/94	State Board of Education, Repeal of Learning Assessment and School Improvement Plans (23 Ill Adm Code 210)	7/9/93 17 Ill Reg 10061	12/14/93
1/5/94	Department of Transportation, Qualification of Drivers (92 Ill Adm Code 391)	8/20/93 17 Ill Reg 13739	12/14/93
1/5/94	Department of Transportation, Procedures and Enforcement (92 Ill Adm Code 386)	8/20/93 17 Ill Reg 13734	12/14/93
1/5/94	Department of Transportation, Motor Carrier Safety Regulations: General (92 Ill Adm Code 390)	8/27/93 17 Ill Reg 13986	12/14/93
1/5/94	Department of Transportation, Parts and Accessories Necessary for Safe Operation (92 Ill Adm Code 393)	8/20/93 17 Ill Reg 13730	12/14/93
1/5/94	Department of Transportation, Hours of Service of Drivers (92 Ill Adm Code 395)	8/20/93 17 Ill Reg 13693	12/14/93
1/5/94	Department of Transportation, Inspection, Repair and Maintenance (92 Ill Adm Code 396)	8/20/93 17 Ill Reg 13699	12/14/93
1/5/94	Department of Transportation, Driving and Parking (92 Ill Adm Code 397)	8/20/93 17 Ill Reg 13686	12/14/93

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED
(Page 3)

Second Notice Expires	Agency and Rule	Start of First Notice	JCAR Meeting
1/5/94	Department of Transportation, Driving of Motor Vehicles (92 Ill Adm Code 392)	8/20/93 17 Ill Reg 13690	12/14/93
1/5/94	Department of Transportation, Employee Commute Options (92 Ill Adm Code 600)	8/6/93 17 Ill Reg 12613	12/14/93

PROCLAMATION

93-532
ARTS EDUCATION WEEK

Whereas, the Illinois State Board of Education and the Illinois Alliance for Arts Education, in cooperation with the Illinois Arts Council, are sponsoring the twelfth annual Arts Education Week March 20-26; and

Whereas, Arts Education Week is dedicated to the celebration and importance of music, theatre, dance/movement, literary, media, and visual arts in the total education of all students; and

Whereas, the purpose of this celebration is to promote awareness of arts in education, encourage cooperative efforts among all arts organizations and schools, provide students with opportunities to highlight their accomplishments in a variety of arts experiences, and provide a forum to demonstrate support of arts education;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 20-26, 1994, as ARTS EDUCATION WEEK in Illinois and urge all citizens to join in this celebration and support the creative future of our youth.

Issued by the Governor November 15, 1993.

Filed with the Secretary of State November 18, 1993.

93-533
AUDIO VISION GREETING CARD PROGRAM DAY

Whereas, more than 10 million individuals have experienced vision loss; and

Whereas, everyone should have "the right to sight for life" preserved by the best of medical research; and

Whereas, RP International leads the way in focusing attention on the need for better services, mobility, and volunteerism for the blind; and

Whereas, RP International will declare December 19, 1993, as Hello America Day and will host a program delivering "Audio Vision" greetings to an from visually impaired individuals, providing light, joy, and friendship throughout each community; and

Whereas, celebrities will perform "Forgotten Eyes" as their contribution in the fight against blindness, launching the Hello America Year to end blindness;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim December 19, 1993, as AUDIO VISION GREETING CARD PROGRAM DAY in Illinois.

Issued by the Governor November 15, 1993.

Filed with the Secretary of State November 18, 1993.

93-534
ELKS YOUTH WEEK

Whereas, our young people are our nation's greatest resource; and

Whereas, our youth need our guidance, inspiration, and encouragement so they may develop the qualities they will need to become our leaders in the future; and

Whereas, we should share our hopes and aspirations with our youth, as well as demonstrating a sincere willingness to help prepare them for the responsibilities they will face; and

Whereas, the Benevolent and Protective Order of Elks has designated May 1-7, 1994, as Youth Week to give special recognition to our nation's young people and the contributions they make to our communities, state, and nation;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 1-7, 1994, as ELKS YOUTH WEEK in Illinois.

Issued by the Governor November 15, 1993.

Filed with the Secretary of State November 18, 1993.

93-535
EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM MONTH

Whereas, the Cooperative Extension Service (CES), in cooperation with the University of Illinois, has resolved to help relieve human problems and help Illinois families help themselves; and

Whereas, since 1968, the Expanded Food and Nutrition Education Program has helped needy Illinois families better themselves, gain a new sense of dignity, and grow in self-esteem through nutrition; and

Whereas, the Expanded Food and Nutrition Education Program annually enrolls more than 7,500 low-income homemakers who are taught to increase their knowledge and skills in planning and providing a nutritionally balanced diet for their families; and

Whereas, basic nutrition, food resource management, and food preparation are skills that are critical to fostering physical, mental, and emotional well-being in our young people. Proper nutrition is the building block of a child's future and the Expanded Food and Nutrition Education Program has helped assure a better future for countless numbers of Illinois children and their families; and

Whereas, the skills and abilities taught through this program have often been the first step in bringing about positive change in the lives of participants and has inspired many to further

their education, increase job skills and expand parenting skills;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 1993 as EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM MONTH in Illinois.

Issued by the Governor November 15, 1993.

Filed with the Secretary of State November 19, 1993.

93-536
PROJECT RED RIBBON

Whereas, drunk drivers cause millions of dollars of damage and immeasurable amounts of personal pain and suffering throughout the country, including Illinois; and

Whereas, during the upcoming holiday season there will be increased opportunity for drinking and driving; and

Whereas, Project Red Ribbon is a nationwide project of Mothers Against Drunk Driving in which motorists are asked to attach a red ribbon to their automobile as a visual reminder to not drink and drive; and

Whereas, local chapters of Mothers Against Drunk Driving and MADD-Illinois are sponsoring Project Red Ribbon in an attempt to reduce the number of drunk drivers in Illinois;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 22, 1993-January 1, 1994, as PROJECT RED RIBBON in Illinois and I encourage all citizens to take part in this campaign and to help make the holidays safer by driving sober this holiday season and throughout the year.

Issued by the Governor November 15, 1993.

Filed with the Secretary of State November 18, 1993.

ACTION CODES

A - Adopted Rule	P - Proposed Rule
AR - Adopted Repealer	PF - Prohibited Filing Order by JCAR*
C - Notice of Corrections	PP - Peremptory or Court Ordered Rules
CC - Codification Changes	PR - Proposed Repealer
E - Emergency Rule	R - Refusal to meet JCAR Objection
ER - Emergency Repealer	RC - Statement of Recommendation
M - Modification to meet JCAR objections	S - Suspension ordered by JCAR
O - JCAR Statement of Objections	W - Withdrawal to meet JCAR Objections
RQ - Request for Correction	
EC - Expedited Corrections	

*Joint Committee on Administrative Rules

ALL RULES ARE LISTED BY PART NUMBER AND HEADING ONLY. (FOR ACTION ON SPECIFIC SECTIONS, PLEASE REFER TO THE SECTIONS AFFECTED INDEX.) IF THERE ARE ANY QUESTIONS, PLEASE CONTACT THE ADMINISTRATIVE CODE DIVISION AT (217) 782-9786.

ABANDONED MINED LANDS RECLAMATION COUNCIL

4 Ill. Adm. Code 1000	Americans With Disabilities Act Grievance Procedure (A-20092/92; CC-1673)

AGING, DEPARTMENT ON

89 Ill. Adm. Code 240	Community Care Program (P-12251/92; A-224) (P-15203/92; A-6090) (P-14225)
89 Ill. Adm. Code 220	General Programmatic Requirements (P-883; A-8472) (E-1179)

AGRICULTURE, DEPARTMENT OF

4 Ill. Adm. Code 550	Americans With Disabilities Act Grievance Procedure (A-11744/92; CC-1673)
8 Ill. Adm. Code 110	Animal Diagnostic Laboratory Act (P-14717)
8 Ill. Adm. Code 75	Bovine Brucellosis (P-14728)
8 Ill. Adm. Code 257	Cooperative Groundwater Protection Program (P-14288)
8 Ill. Adm. Code 20	Definitions (P-14739)
8 Ill. Adm. Code 85	Diseased Animals (E-14052) (P-14747)
8 Ill. Adm. Code 65	Egg & Egg Products Act (P-527; A-6749)
8 Ill. Adm. Code 116	Equine Infectious Anemia Control (P-14761)
8 Ill. Adm. Code 700	Farmland Preservation Act (P-9781; A-19469)
8 Ill. Adm. Code 590	Feeder Swine Dealer Licensing (P-14765)
8 Ill. Adm. Code 115	Ill. Pseudorabies Control Act (E-5906) (P-6373; A-14006)
8 Ill. Adm. Code 256	Lawncare Wash Water & Rinsate Collection (P-14975/92; A-2189)
8 Ill. Adm. Code 40	Livestock Auction Markets (P-14769)
8 Ill. Adm. Code 610	Livestock Dealer Licensing (P-14775)
8 Ill. Adm. Code 125	Meat & Poultry Inspection Act (PP-2063) (PP-15725) (PP-16238) (PP-18215) (P-18917)
2 Ill. Adm. Code 700	Organizational Chart, Description, Rulemaking Procedure, & Programs (A-19895)

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8 Ill. Adm. Code 290 Standardbred & Thoroughbred Horse Breeding & Racing Programs, Ill. (P-8347; W-13812)
8 Ill. Adm. Code 750 Sustainable Agriculture (P-1251; A-6965)
8 Ill. Adm. Code 105 Swine Disease Control & Eradication Act (E-5910) (P-6377; A-14010) (P-14781)

ALCOHOLISM AND SUBSTANCE ABUSE, DEPARTMENT OF
4 Ill. Adm. Code 500 Americans With Disabilities Act Grievance Procedure (A-11426/92; CC-1673)
77 Ill. Adm. Code 2056 Driving Under the Influence Programs (P-4567/92; A-15917/92; RQ-17493; EC-19982)
77 Ill. Adm. Code 2090 Subacute Alcoholism & Substance Abuse Treatment Services (P-8599)
77 Ill. Adm. Code 2080 Triplicate Prescription Control Program (P-11367/92; O-16691/92; M-11872; A-11424)

ATTORNEY GENERAL
4 Ill. Adm. Code 125 Americans With Disabilities Act Grievance Procedure (P-2283/92; A-1811)

AUDITOR GENERAL
4 Ill. Adm.Code 1125 Americans With Disabilities Act Grievance Procedure (P-4523; A-11435)

BANKS AND TRUST COMPANIES, COMMISSIONER OF
4 Ill. Adm. Code 375 Americans With Disabilities Act Grievance Procedure (A-15976/92; CC-1673)
38 Ill. Adm. Code 380 Eligible State Bank (P-19347)

CAPITAL DEVELOPMENT BOARD
4 Ill. Adm. Code 725 Americans With Disabilities Act Grievance Procedure (A-11432/92; CC-1673)
71 Ill. Adm. Code 500 Asbestos Abatement Authority Act Procedures (P-3917; A-17908)

CARNIVAL-AMUSEMENT SAFETY BOARD
56 Ill. Adm. Code 6000 Carnival & Amusement Ride Inspection Law (P-3922; RC-14185; A-14910)

CENTRAL MANAGEMENT SERVICES, DEPARTMENT OF
44 Ill. Adm. Code 5000 Acquisition, Management & Disposal of Real Property (P-11378/92; A-1006) (P-2105; A-10753) (E-2361) (P-15217) (E-15653)
80 Ill. Adm. Code 303 Conditions of Employment (P-19285/92; A-5587)
74 Ill. Adm. Code 900 Joint Rules of the Comptroller & the Dept. of Central Management Services:Prompt Payment (P-10677) (E-11168)
80 Ill. Adm. Code 2160 Local Government Health Plan (P-3577; A-11441)
80 Ill. Adm. Code 302 Merit & Fitness (P-17187/92; A-3169) (P-14788)
80 Ill. Adm. Code 310 Pay Plan (P-191; C-672; A-13409) (P-13679/92; A-238) (PP-498) (P-13179/92; A-590) (P-14001/92; A-1819) (P-18139/92; A-6441) (P-7605; A-19103) (P-12481) (E-12900) (P-13657) (E-13789) (P-14314) (E-14666)
80 Ill. Adm. Code 2650 Solicitation for Charitable Payroll Deductions (P-2449)
44 Ill. Adm. Code 1 Standard Procurement (P-12808/92; A-600) (P-3926; A-14576)
80 Ill. Adm. Code 2700 State (of Ill.) Employees' Deferred Compensation Plan (P-19755) (E-19976)

CHILDREN AND FAMILY SERVICES, DEPARTMENT OF
89 Ill. Adm. Code 304 Access to & Eligibility for Child Welfare Services (P-7545/92; A-251)

89 Ill. Adm. Code 336 Appeal of Child Abuse & Neglect Investigation Findings (P-7963/92; A-1026)
89 Ill. Adm. Code 434 Audits, Reviews & Investigations (P-7115)
89 Ill. Adm. Code 330 Child Custody Investigations & Supervision Related to Custodian or Visitation Judgements (P-1259; A-11457)
89 Ill. Adm. Code 314 Educational Services (P-17593)
89 Ill. Adm. Code 377 Facilities & Programs Exempt from Licensure (P-7553/92; A-259)
89 Ill. Adm. Code 354 Facility Amusement Funds (PR-8099; AR-17913)
89 Ill. Adm. Code 407 Licensing Sandards for Day Care Centers (P-11955)
89 Ill. Adm. Code 406 Licensing Standards for Day Care Homes (P-11964)
89 Ill. Adm. Code 402 Licensing Standards for Foster Family Homes (P-11707/92; A-267)
89 Ill. Adm. Code 408 Licensing Standards for Group Day Care Homes (P-11976)
89 Ill. Adm. Code 378 Multiple Licensure (PR-7561/92; AR-272)
89 Ill. Adm. Code 356 Rate Setting (P-10679)
89 Ill. Adm. Code 335 Relative Home Placement (P-6681) (P-12254/92; A-13420)
89 Ill. Adm. Code 300 Reports of Child Abuse (P-15218) (E-15658; RC-18903) (P-18271)
89 Ill. Adm. Code 309 Review & Appeal Process (PR-7982/92; AR-1044)
89 Ill. Adm. Code 337 Service Appeal Process (P-7999/92; A-1046)
89 Ill. Adm. Code 302 Services Delivered by the Department (P-7565/92; A-274) (P-11979/92; A-11979) (P-2460) (E-2513)
89 Ill. Adm. Code 376 Standards for Department Facilities (PR-8104; AR-17915)

COMMERCE AND COMMUNITY AFFAIRS, DEPARTMENT OF
4 Ill. Adm. Code 575 Americans With Disabilities Act Grievance Procedure (A-14621/92; CC-1673)
47 Ill. Adm. Code 125 Emergency Community Services Homeless Grant Program (P-18879/92; A-6180)
47 Ill. Adm. Code 160 Emergency Shelter Grants Program (P-15747)
14 Ill. Adm. Code 520 Enterprise Zone Program (P-13691/92; A-1837) (P-9791)
14 Ill. Adm. Code 510 Ill. Promotion Act Programs (P-14318)
56 Ill. Adm. Code 2650 Industrial Training Program (P-20063)
47 Ill. Adm. Code 100 Low Income Home Energy Assistance Program (P-16707/92 A-3836)
14 Ill. Adm. Code 610 Public Infrastructure Loan & Grant Programs (P-19352) (E-19676)
56 Ill. Adm. Code 2600 Service Delivery System & State Responsibilities (P-7120/92; A-6483)
1 Ill. Adm. Code 300 Small Business Impact Analysis Procedures (P-11391/92; A-1511)
47 Ill. Adm. Code 130 State Administration of the Ill. Neighborhood Corps Program (PR-1; A-7212)
83 Ill. Adm. Code 745 Tariff Filings (P-10513/92; A-10258)

COMMERCE COMMISSION, ILLINOIS
92 Ill. Adm. Code 1376 Accounting & Financial Record Requirements (P-8630)
4 Ill. Adm. Code 400 Americans With Disabilities Act Grievance Procedure (A-12439/92; CC-1673)
83 Ill. Adm. Code 305 Construction of Electric Power & Communication Lines (P-2462)
83 Ill. Adm. Code 756 Dual Party Relay Service (P-14004/92; A-1848)
92 Ill. Adm. Code 1360 Equipment Leases (P-1685; A-18466)
92 Ill. Adm. Code 1425 Financial Responsibility of Carriers (P-18715)
83 Ill. Adm. Code 792 Imputation (P-11988)
83 Ill. Adm. Code 790 Interconnection (P-19354)
83 Ill. Adm. Code 590 Minimum Safety Standards for Transportation of Gas & For Gas Pipeline Facilities (P-2466; A-12291)
83 Ill. Adm. Code 255 Notice Requirements for Change in Rates for Cooling, Electric, Gas, Heating, Telecommunications, Sewer or Water Services (P-13703/92; A-798)

83 Ill. Adm. Code 315 Pole Attachment Rates, Terms & Conditions Applicable to Cable Television Companies & Electric & Telephone Public Utilities (P-202)
83 Ill. Adm. Code 280 Procedures for Gas, Electric, Water & Sanitary Sewer Utilities Governing Eligibility for Service, Deposits, Payment Practices & Discontinuance of Service (P-12810/92; A-805) (P-6382)
83 Ill. Adm. Code 735 Procedures Governing the Establishment of Credit, Billing Termination of Service & Issuance of Telephone Directories for Telephone Utilities in the State of Ill. (G.O. #218) (P-6386) (P-12483)
83 Ill. Adm. Code 275 Promotional Practices of Electric & Gas Public Utilities (P-8269/92; A-98; RQ-2075; EC-3902)
92 Ill. Adm. Code 1236 Reinstatement of Revoked Operating Authority (P-9167)
83 Ill. Adm. Code 755 Telecommunications Access for the Hearing & Voice Impaired (P-16709/92; A-5594)
83 Ill. Adm. Code 756 Telecommunications Relay Services (P-15605/92; A-12294)
92 Ill. Adm. Code 1375 Uniform System of Accounts (P-8635)

COMMUNITY COLLEGE BOARD, ILLINOIS
23 Ill. Adm. Code 1501 Administration of the Ill. Public Community College Act (P-12274/92; A-1853) (P-6686) (P-11993)
4 Ill. Adm. Code 1050 Americans With Disabilities Act Grievance Procedure (P-17399/92; A-4185)
2 Ill. Adm. Code 5176 Public Access to Information (CC-6903)
2 Ill. Adm. Code 5175 Public Information, Rulemaking and Organization (CC-6904)

COMMUNITY DEVELOPMENT FINANCE CORPORATION, ILLINOIS
47 Ill. Adm. Code 700 By-Laws (P-4530)

COMPTROLLER
4 Ill. Adm. Code 775 Americans with Disabilities Act Grievance Procedure (P-13710/92; A-6499)
74 Ill. Adm. Code 330 Joint Rules of the Comptroller & the Dept. of Central Management Services:Prompt Payment (P-10686) (E-11170)
80 Ill. Adm. Code 500 Personnel Rules (P-13827)

CONSERVATION, DEPARTMENT OF
17 Ill. Adm. Code 130 Camping on Department of Conservation Properties (P-18721)
17 Ill. Adm. Code 530 Cock Pheasant, Hungarian Partridge, Bobwhite Quail, Rabbit & Crow Hunting (P-7138; A-15534)
17 Ill. Adm. Code 830 Commercial Fishing & Musseling in Certain Waters of the State (P-17405/92; A-3177) (E-17263)
17 Ill. Adm. Code 950 Dog Training on Department-Owned or -Managed Sites (P-6390; A-13447)
17 Ill. Adm. Code 730 Dove Hunting (P-4539; A-10761)
17 Ill. Adm. Code 590 Duck, Goose & Coot Hunting (E-1658) (4554; A-16443) (E-18867)
17 Ill. Adm. Code 1536 Forestry Development Cost-Share Program (P-8107; A-16485)
17 Ill. Adm. Code 510 General Hunting & Trapping on Department-Owned or -Managed Sites (P-4601; A-10775)
17 Ill. Adm. Code 1010 Ill. List of Endangered & Threatened Fauna (P-16273)
17 Ill. Adm. Code 1050 Ill. List of Endangered & Threatened Flora (P-4608; A-10781) (P-16285)
17 Ill. Adm. Code 4000 Management of Nature Preserves (P-12005)
17 Ill. Adm. Code 570 Muskrat, Mink, Raccoon, Opossum, Striped Skunk, Weasel, Red Fox, Gray Fox,

Coyote, Beaver & Woodchuck (Groundhog) Trapping (P-4611; A-10785) (P-12038; A-18796) (P-12038)
17 Ill. Adm. Code 220 North Point Marina (P-19993/92; A-6760)
17 Ill. Adm. Code 1070 Possession of Specimens or Products of Endangered or Threatened Species (P-12041; A-18799)
17 Ill. Adm. Code 550 Raccoon, Opossum, Striped Skunk, Red Fox, Gray Fox, Coyote & Woodchuck (Groundhog) Hunting (P-4622; A-10795)
17 Ill. Adm. Code 810 Sport Fishing Regulations for the Waters of Ill. (P-17414/92; A-3853; E-5915) (P-4636; A-10806) (P-19785)
17 Ill. Adm. Code 690 Squirrel Hunting (P-4672; A-10842)
17 Ill. Adm. Code 720 Taking of Wild Turkeys-Fall Archery Season, The (P-15260/92; A-281) (P-4680; A-10850)
17 Ill. Adm. Code 715 Taking of Wild Turkeys-Fall Gun Season (P-4689; A-10858)
17 Ill. Adm. Code 710 Taking of Wild Turkeys-Spring Season, The (P-18181/92; A-3184) (P-18927)
17 Ill. Adm. Code 670 White-Tailed Deer Hunting by Use of Bow and Arrow (P-15265/92; A-286) (P-4698; A-13452)
17 Ill. Adm. Code 650 White-Tailed Deer Hunting by Use of Firearms (P-4718; A-13468)
17 Ill. Adm. Code 680 White-Tailed Deer Hunting by Use of Handguns (P-12055; A-18810)
17 Ill. Adm. Code 660 White-Tailed Deer Hunting Season by Use of Muzzleloading Rifles (P-4742; A-10865)
17 Ill. Adm. Code 740 Woodchuck, Snipe, Rail & Teal Hunting (P-4757; A-10877)

CORRECTIONS, DEPARTMENT OF
20 Ill. Adm. Code 440 Advocacy Services (PR-16371/92; AR-1519)
4 Ill. Adm. Code 475 American With Disabilities Act Grievance Procedure (A-10423/92; CC-1673)
20 Ill. Adm. Code 420 Assignment of Committed Persons (E-16208) (P-19367)
20 Ill. Adm. Code 460 Impact Incarceration Program (E-16212) (P-19371)
20 Ill. Adm. Code 107 Records of Committed Persons (E-16215) (P-19377)
20 Ill. Adm. Code 525 Rights & Privileges (PP-1666; RQ-9150; C-10013; EC-11903) (PP-8069)
20 Ill. Adm. Code 502 Safety, Maintenance & Sanitation (P-6394; A-19479)
20 Ill. Adm. Code 405 School District #428 (E-16227) (P-19405)
20 Ill. Adm. Code 501 Security (P-8396)

CRIMINAL JUSTICE INFORMATION AUTHORITY
4 Ill. Adm. Code 150 Americans With Disabilities Act Grievance Procedure (P-1263; A-19120)

DEVELOPMENT FINANCE AUTHORITY, ILLINOIS
14 Ill. Adm. Code 1230 Employee Ownership Assistance Program (P-9222/92; A-1859)

EDUCATION, STATE BOARD OF
2 Ill. Adm. Code 5001 Access to Information of the State Board of Education Under the Freedom of Information Act (A-14913)
23 Ill. Adm. Code 610 Article 34 School & Subdistrict Councils (PR-17603)
23 Ill. Adm. Code 210 Learning Assessment & School Improvement Plans (PR-10061)
23 Ill. Adm. Code 451 Private Business & Vocational Schools (P-12062)
23 Ill. Adm. Code 110 Program Accounting Manual (P-18283)
23 Ill. Adm. Code 1 Public Schools Evaluation, Recognition & Supervision (P-8684/92; A-18010/92;

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EC-3553) (P-10079)
23 Ill. Adm. Code 550 Reorganization Committees (PR-17611)
23 Ill. Adm. Code 226 Special Education (P-13231) (E-13622) (P-18405)
23 Ill. Adm. Code 170 Sprinkler Systems (P-18419)
23 Ill. Adm. Code 228 Transitional Bilingual Education (P-9253/92; A-104)
23 Ill. Adm. Code 245 Urban Education Partnership Program (P-10131)

EDUCATIONAL FACILITIES AUTHORITY, ILLINOIS
23 Ill. Adm. Code 2310 Functions & Planning Program (P-1691; A-9680)

EDUCATIONAL LABOR RELATIONS BOARD, ILLINOIS
4 Ill. Adm. Code 900 Americans With Disabilities Act Grievance Procedure (P-9273/92; A-9887)

ELECTIONS, STATE BOARD OF
26 Ill. Adm. Code 100 Campaign Finance Act, The (P-14333)
2 Ill. Adm. Code 1551 Freedom of Information (A-16500)
26 Ill. Adm. Code 207 Miscellaneous (P-14342)

EMERGENCY MANAGEMENT AGENCY, ILLINOIS
29 Ill. Adm. Code 1310 Emergency Management Assistance Program (P-13843)
29 Ill. Adm. Code 1300 Emergency Services & Disaster Agencies: Establishment, Accreditation, & Workers' Compensation (P-13856)
29 Ill. Adm. Code 300 Local Emergency Services & Disaster Agencies: Establishment, Jurisdiction, & Accreditation (PR-13865)
29 Ill. Adm. Code 510 Workers' Compensation Coverage (PR-13875)

EMPLOYMENT SECURITY, DEPARTMENT OF
56 Ill. Adm. Code 2915 Academic Personnel (P-19415)
4 Ill. Adm. Code 1025 Americans With Disabilities Act Grievance Procedure (P-13188/92; A-8802)
56 Ill. Adm. Code 2865 Claimant's Availability For Work, Ability To Work & Active Search For Work (P-6907; A-17917) (P-19421)
56 Ill. Adm. Code 2840 Claimant's Reason For Separation From Work (P-886; A-10270) (P-8403; A-17929)
56 Ill. Adm. Code 2720 Claims, Adjudication, Appeals & Hearings (P-6919; A-17937) (P-16313)
56 Ill. Adm. Code 2770 Determination of Unemployment Contributions (P-15625/92; A-295) (P-17628)
56 Ill. Adm. Code 2920 Disqualifying Income & Reduced Benefits (P-19427)
56 Ill. Adm. Code 2732 Employment (P-211; A-8809) (P-5985; A-17947)
56 Ill. Adm. Code 2712 General Application (P-17853/92; A-3194)
56 Ill. Adm. Code 2760 Notices, Records, Reports (E-13798) (P-16319)
56 Ill. Adm. Code 2765 Payment of Unemployment Contributions, Interest & Penalties (P-12006/92; A-308) (P-15638/92; A-614) (P-2523; A-10275) (E-13801)

ENVIRONMENTAL PROTECTION AGENCY
4 Ill. Adm. Code 925 Americans With Disabilities Act Grievance Procedure (P-10534/92; A-8162)
35 Ill. Adm. Code 254 Annual Emissions Report (P-17195/92; A-7782)
35 Ill. Adm. Code 270 Clean Air Act Permit Program Procedures (P-16325)
35 Ill. Adm. Code 183 Joint Rules of the Ill. Environmental Protection Agency, the Ill. Department of

Public Health & the Ill. Department of Nuclear Safety: Certification & Operation of Environmental Laboratories (P-12659/92; A-12319)
32 Ill. Adm. Code 332 Licensing Requirements for Source Material Milling Facilities (P-10701)
35 Ill. Adm. Code 670 Minimal Hazard Certification (P-18730)
35 Ill. Adm. Code 320 Permit Fees for Installing or Extending Sewers (P-2469; A-11461)
35 Ill. Adm. Code 858 Procedures for Operation of the Non-Hazardous Solid Waste Fee System (P-4621/92; A-4190)
35 Ill. Adm. Code 800 Procedures for Operation of the Potentially Infectious Medical Waste Transporter Fee System (PR-17861/92; AR-20266)
35 Ill. Adm. Code 1450 Procedures for Operation of the Potentially Infectious Medical Waste Transporter Fee System (P-17874/92; A-20268)
35 Ill. Adm. Code 876 Processing of Claims for Payment from the Underground Storage Tank Fund (E-16191/92; O-18856/92; RC-18857/92; M-2438)
35 Ill. Adm. Code 252 Public Participation in the Air Pollution Control Permit Program (P-18139/92; A-9684)
35 Ill. Adm. Code 253 Public Participation in the Air Pollution Permit Program (P-18139/92; A-9698)

FARM DEVELOPMENT AUTHORITY, ILLINOIS
8 Ill. Adm. Code 1400 Ill. Farm Development Authority (P-8297/92; A-3618) (P-3956; A-15808)

FINANCIAL INSTITUTIONS, DEPARTMENT OF
38 Ill. Adm. Code 190 Ill. Credit Union Act (P-6599; W-13197)
38 Ill. Adm. Code 130 Schedules of Maximum Rates to be Charged for Check Cashing & Writing of Money Orders by Community & Ambulatory Currency Exchanges (P-6929; R-21126; FP-21127)
38 Ill. Adm. Code 180 Uniform Disposition of Unclaimed Property Act (P-14006/92; A-123) (P-5990; A-9893) (E-6321)

FIRE MARSHAL, OFFICE OF THE STATE
4 Ill. Adm. Code 200 Americans With Disabilities Act Grievance Procedure (P-1954/92; A-2200)
41 Ill. Adm. Code 120 Boiler & Pressure Vessel Safety (P-19291/92; A-14917)
41 Ill. Adm. Code 280 Fire Equipment Administrative Procedures (P-15665/92; A-7214
41 Ill. Adm. Code 100 Fire Prevention & Safety (P-15681/92; PF-8083; W-10010; A-19127)
41 Ill. Adm. Code 140 Policy & Procedures Manual for Fire Protection Personnel (P-14017/92; W-9752) (E-11181) (P-14352)
41 Ill. Adm. Code 170 Storage, Transportation, Sale & Use of Petroleum & Other Regulated Substances (E-1186)

GAMING BOARD, ILLINOIS
86 Ill. Adm. Code 3000 Riverboat Gambling (P-51/92; A-11510)

HEALTH CARE COST CONTAINMENT COUNCIL, ILLINOIS
77 Ill. Adm. Code 2510 Data Collection (P-18913/92; A-9700) (P-1695) (E-2031) (E-14112) (P-18944)
77 Ill. Adm. Code 2530 Hospital Price Information (E-14172) (P-19007)
77 Ill. Adm. Code 2540 Penalties (P-18915/92; A-9713)
77 Ill. Adm. Code 2510 Special Studies & Analyses (P-1695; A-9896)

HEARING AID CONSUMER PROTECTION BOARD
77 Ill. Adm. Code 3000 Hearing Aid Protection Continuing Education Requirements (P-13463/92; A-8817)

HIGHER EDUCATION, BOARD OF
4 Ill. Adm. Code 975 Americans With Disabilities Act Grievance Procedure (A-19806/92;CC-1673)
23 Ill. Adm. Code 1020 Health Services Education Grants Act (PR-17639)

HISTORIC PRESERVATION AGENCY, ILLINOIS
17 Ill. Adm. Code 4180 Rules for Review of State Agency Undertakings (P-13718/92; A-1521)

HOUSING DEVELOPMENT AUTHORITY, ILLINOIS
4 Ill. Adm. Code 700 . Americans with Disabilities Act Grievance Procedure (P-15684/92; A-6507)
47 Ill. Adm. Code 310 Multifamily Rental Housing Mortgage Loan Program (P-13659) (E-13805)
47 Ill. Adm. Code 370 National Affordable Housing Act (HOME) Program (P-11713/92; A-319)

HUMAN RIGHTS, DEPARTMENT OF
56 Ill. Adm. Code 2520 Procedural (P-10; A-15556)

INDUSTRIAL COMMISSION, ILLINOIS
4 Ill. Adm. Code 225 Americans With Disabilities Grievance Procedure (P-7749/92; A-2945)
50 Ill. Adm. Code 7020 Pre-Arbitration (P-14511/92; A-2206)

INSURANCE, DEPARTMENT OF
50 Ill. Adm. Code 1408 Actuarial Opinion & Memorandum (P-8735/92; A-4195)
50 Ill. Adm. Code 920 Actuarial Qualification (PR-2530; AR-15831)
50 Ill. Adm. Code 927 Anticipated Salvage & Subrogation Recoverable (P-2106; A-15834)
50 Ill. Adm. Code 932 Automobile Anti-Theft Mechanisms (P-7279/92; O-1240; M-6893; A-6768)
50 Ill. Adm. Code 1250 Corrective Orders (P-3985)
50 Ill. Adm. Code 805 Financial Futures Contracts (P-42; A-6775) (E-154)
50 Ill. Adm. Code 2013 Group Coverage Discontinuance & Replacement (P-10375/92; A-1525)
50 Ill. Adm. Code 2015 Infertility Coverage (P-696; A-8170)
50 Ill. Adm. Code 904 Internal Security Standard & Fidelity Bona (P-3993; A-15584)
50 Ill. Adm. Code 1103 Life Reinsurance Agreements (P-8411)
50 Ill. Adm. Code 2012 Long-Term Care Insurance (P-11279)
50 Ill. Adm. Code 939 Medical Liability Insurance Loss Reports (P-4768; A-15838)
50 Ill. Adm. Code 2008 Minimum Standards for Individual & Group Medicare Supplement Insurance (P-18917/92; A-11469)
50 Ill. Adm. Code 802 Purchasing & Selling Call & Put Options Contracts (P-44; A-6783) (E-163)
50 Ill. Adm. Code 916 Required Procedure for Filing & Securing Approval of Life Insurance, Annuity, & Accident & Health Insurance, Voluntary Health Service Plans, Vision Service Plan, Dental Service Plans, Pharmaceutical Service Plans, Limited Health Service Organizations & Health Maintenance Organizations Policy Forms; (P-5992; A-15853)
50 Ill. Adm. Code 6201 Requirements (P-14073)

JOINT COMMITTEE ON ADMINISTRATIVE RULES
1 Ill. Adm. Code 260 Complaint Review (CC-5960) (P-13233)

1 Ill. Adm. Code 245 Expedited Corrections (CC-5962) (P-13248)
1 Ill. Adm. Code 250 Five-Year Evaluation of all Existing Rules (CC-5964) (P-13257)
1 Ill. Adm. Code 210 General Policies (CC-5965) (P-13268)
1 Ill. Adm. Code 230 Review of Emergency Rulemaking (CC-5967) (P-13274)
1 Ill. Adm. Code 240 Review of Peremptory Rulemaking (CC-5969) (P-13294)
1 Ill. Adm. Code 220 Review of Proposed Rulemaking (CC-5971) (P-13307)

LABOR, DEPARTMENT OF
56 Ill. Adm. Code 350 Health & Safety (P-3780/92; O-180; R-1239; A-1074) (E-7072)

LABOR RELATIONS BOARD, ILLINOIS STATE/ILLINOIS LOCAL
80 Ill. Adm. Code 1200 General Procedures (P-3703; A-15588)
80 Ill. Adm. Code 1230 Impasse Resolution (P-3718; A-15599)
80 Ill. Adm. Code 1210 Representation Proceedings (P-3734; A-15612)
80 Ill. Adm. Code 1220 Unfair Labor Practice Proceedings (P-3755; A-15628)

LIEUTENANT GOVERNOR, OFFICE OF THE
47 Ill. Adm. Code 600 Keep Ill. Beautiful Program (P-19834)

LOTTERY, DEPARTMENT OF THE
11 Ill. Adm. Code 1770 Lottery (General) (P-16738/92; C-8074; A-18816)

LIQUOUR CONTROL COMMISSION, ILLINOIS
11 Ill. Amd. Code 1813 Ill. Liquor Control Commission, The (P-20094)

MENTAL HEALTH AND DEVELOPMENTAL DISABILITIES, DEPARTMENT OF
59 Ill. Adm Code 101 Administration (P-10688)
59 Ill. Adm. Code 122 Certification Under Medicaid Rehabilitation Option for Early Intervention Programs (P-15691/92; RC-3688; A-4236)
59 Ill. Adm. Code 121 Early Intervention Program (P-15715/92; RC-3689; A-4261)
59 Ill. Adm. Code 103 Grants (P-14078/92; A-10282)
59 Ill. Adm. Code 119 Minimum Standards for Certification of Developmental Training Programs (P-6397)

MINES AND MINERALS, DEPARTMENT OF
62 Ill. Adm. Code 1847 Administrative & Judicial Review (P-10596/92; A-10887)
62 Ill. Adm. Code 1775 Administrative & Judicial Review of Decisions (PR-10590/92; AR-10907)
62 Ill. Adm. Code 1761 Areas Designated by Act of Congress (P-10596/92; A-10909)
62 Ill. Adm. Code 1800 Bonding & Insurance Requirements for Surface Coal Mining & Reclamation Operations (P-10607/92; A-10916)
62 Ill. Adm. Code 1845 Civil Penalties (P-10619/92; A-10926)
62 Ill. Adm. Code 1702 Exemption for Coal Extraction Incidental to the Extraction of Other Minerals (P-10631/92; A-10936)
62 Ill. Adm. Code 1777 General Content Requirements for Permit Applications (P-10640/92; A-10943)
62 Ill. Adm. Code 1701 General Definitions (P-10644/92; A-10947)
62 Ill. Adm. Code 1848 General Rules Relating to Procedure & Practice (P-10669/92; A-10973)
62 Ill. Adm. Code 240 Ill. Oil & Gas Act, The (E-1195) (P-13722/92; A-2217) (P-3771; A-14097)

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(P-19440/92; A-19923)
62 Ill. Adm. Code 1846 Individual Civil Penalties (P-10691/92; A-10997)
62 Ill. Adm. Code 1816 Permanent Program Performance Standards--Surface Mining Activities (P-10695/92; A-11001)
62 Ill. Adm. Code 1817 Permanent Program Performance Standards--Underground Mining Operations (P-10726/92; A-11031)
62 Ill. Adm. Code 1778 Permit Applications--Minimum Requirements for Legal, Financial, Compliance, & Related Information (P-10758/92; A-11027)
44 Ill. Adm. Code 610 Plugging & Restoration Contracts (P-1697; A-8176)
62 Ill. Adm. Code 1772 Requirements for Coal Exploration (P-10762/92; A-11058)
62 Ill. Adm. Code 1773 Requirements for Permits & Permit Processing (P-10768/92; A-11063)
62 Ill. Adm. Code 1785 Requirements for Permits for Special Categories of Mining (P-10784/92; A-11075)
62 Ill. Adm. Code 1705 Restriction on Financial Interests of State Employees (P-10790/92; A-11080)
62 Ill. Adm. Code 1774 Revision; Renewal; & Transfer, Assignment, or Sale of Permit Rights (P-10793/92; A-11083)
62 Ill. Adm. Code 1827 Special Permanent Program Performance Standards--Coal Preparation Plants Not Located Within the Permit Area of a Mine (P-10803/92; A-11091)
62 Ill. Adm. Code 1843 State Enforcement (P-10807/92; A-11095)
62 Ill. Adm. Code 1764 State Processes for Designating Areas Unsuitable for Surface coal Mining Operations (P-10831/92; A-11114)
62 Ill. Adm. Code 1779 Surface Mining Permit Applications--Minimum Requirements for Information on Environmental Resources (P-10835/92; A-11118)
62 Ill. Adm. Code 1780 Surface Mining Permit Applications--Minimum Requirements for Reclamation & Operation Plan (P-10839/92; A-11122)
62 Ill. Adm. Code 1783 Underground Mining Permit Applications--Minimum Requirements for Information on Environmental Resources (P-10849/92; A-11131)
62 Ill. Adm. Code 1784 Underground Mining Permit Applications--Minimum Requirements for Reclamation & Operation Plan (P-10853/92; A-11135)

MOTOR VEHICLE THEFT PREVENTION COUNCIL
20 Ill. Adm. Code 1810 Rules for the Award & Monitoring of Trust Funds (P-20516)
20 Ill. Adm. Code 1800 Trust Fun Collection Rules (P-20539)

NATURE PRESERVES COMMISSION, ILLINOIS
17 Ill. Adm. Code 4000 Management of Nature Preserves (P-12005; C-16249)

NUCLEAR SAFETY, DEPARTMENT OF
32 Ill. Adm. Code 333 Fees for Calibration Services (P-9797)
32 Ill. Adm. Code 310 General Provisions (P-3787; A-18472)
32 Ill. Adm. Code 195 Joint Rules of the Ill. Environmental Protection Agency, the Ill. Department of Public Health & the Ill. Department of Nuclear Safety: Certification & Operation of Environmental Laboratories (P-12756/92; A-12407)
32 Ill. Adm. Code 330 Licensing of Radioactive Material (P-14417)
32 Ill. Adm. Code 332 Licensing Requirements for Source Material Milling Facilities (P-10701)
32 Ill. Adm. Code 400 Notices, Instructions & Reports to Workers; Inspections (P-8655)
32 Ill. Adm. Code 390 Particle Accelerators (P-8666)

32 Ill. Adm. Code 410 Radiation Inspectors & Inspections (P-19473/92; A-17953)
32 Ill. Adm. Code 350 Radiation Safety Requirements for Industrial Radiographic Operations (P-13882)
32 Ill. Adm. Code 351 Radiation Safety Requirements for Wireline Service Operations & Subsurface Tracer Studies (P-8674)
32 Ill. Adm. Code 335 Use of Radionuclides in the Healing Arts (P-20094)
32 Ill. Adm. Code 320 Registration of Radioactive Materials, Radiation Machine, & Radiation Installations (P-8693)
32 Ill. Adm. Code 505 Safe Operation of Nuclear Facility Boilers & Pressure Vessels (P-15220) (E-15667)
32 Ill. Adm. Code 340 Standards for Protection Against Radiation (PR-3997; A-18505) (P-4070; A-18507)
32 Ill. Adm. Code 341 Transportation of Radioactive Material (P-13933)
32 Ill. Adm. Code 335 Use of Radionuclides in the Healing Arts (E-9099) (P-20122)
32 Ill. Adm. Code 360 Use of X-Rays in the Healing Arts Including Medical, Dental, Podiatry & Veterinary Medicine (P-19493/92; A-17972)

PLANNING COUNCIL ON DEVELOPMENTAL DISABILITIES, ILLINOIS
4 Ill. Adm. Code 800 Americans With Disabilities Act Grievance Procedure (P-11988/92; A-11143)
59 Ill. Adm. Code 400 Grants (P-11996/92; A-11151)

POLLUTION CONTROL BOARD
35 Ill. Adm. Code 1421 Activity Standards (P-19615/92; A-10392)
35 Ill. Adm. Code 211 Definitions & General Provisions (P-4782; A-16504) (P-12491) (P-13354)
35 Ill. Adm. Code 1422 Design & Operation of Facilities (P-20002/92; O-8084; M-10007; A-9911)
35 Ill. Adm. Code 304 Effluent Standards (P-15223)
35 Ill. Adm. Code 615 Existing Activities In A Setback Zone or Regulated Recharge Area (P-16465/92; A-1871)
35 Ill. Adm. Code 604 Finished Water & Raw Water Quality & Quantity (PR-7621; AR-12648)
35 Ill. Adm. Code 1420 General Provisions (P-19625/92; A-9947)
35 Ill. Adm. Code 738 Hazardous Waste Injection Restrictions (P-16770/92; A-6190) (P-8423; A-15641)
35 Ill. Adm. Code 720 Hazardous Waste Management System (P-16776/92; A-5625) (P-9170; A-20545)
35 Ill. Adm. Code 106 Hearings Pursuant to Specific Rules (P-16355)
35 Ill. Adm. Code 721 Identification & Listing of Hazardous Waste (P-16801/92; A-5650) (P-9193;20568)
35 Ill. Adm. Code 812 Information to be Submitted in a Permit Application (P-17644)
35 Ill. Adm. Code 725 Interim Status Standards for Owners & Operators of Hazardous Waste Treatment, Storage & Disposal Facilities (P-16831/92; A-5681) (P-9245; A-20620)
35 Ill. Adm. Code 728 Land Disposal Restrictions (P-16878/92; A-5727) (P-9317)
35 Ill. Adm. Code 203 Major Stationary Sources Construction & Modification (P-4898; A-16630) (P-18919/92; A-6973) (P-18754)
35 Ill. Adm. Code 616 New Activities In A Setback Zone or Regulated Recharge Area (P-16473/92; A-1878)
35 Ill. Adm. Code 237 Open Burning (E-14176)
35 Ill. Adm. Code 218 Organic Material Emission Standards & Limitations for the Chicago Area (P-4905; C-6520; A-16636) (P-12508)
35 Ill. Adm. Code 219 Organic Material Emission Standards & Limitations for the Metro East Area (P-5169; C-6539; A-16918) (E-8295) (P-20203)

35 Ill. Adm. Code 105 Permits (P-16366)
35 Ill. Adm. Code 201 Permits & General Proveisions (P-13371)
35 Ill. Adm. Code 611 Primary Drinking Water Standards (P-2533; A-7796) (P-7629; A-12650)
35 Ill. Adm. Code 815 Procedural Requirements for All landfills exempt from Permits (P-17649)
35 Ill. Adm. Code 813 Procedural Requirements for Permitted Landfills (P-16920/92; A-12409) (P-17654)
35 Ill. Adm. Code 702 RCRA & UIC Permit Programs (P-16924/92; A-5769)
35 Ill. Adm. Code 703 RCRA Permit Program (P-16930/92; A-5774) (P-9417; A-20692)
35 Ill. Adm. Code 817 Requirements for New Steel & Foundry Industry Wastes Landfills (P-17659)
35 Ill. Adm. Code 605 Sampling & Monitoring (P-2682; A-7943) (PR-7738; AR-12780)
35 Ill. Adm. Code 307 Sewer Discharge Criteria (P-9803; A-19483)
35 Ill. Adm. Code 807 Solid Waste (E-17268) (P-17703)
35 Ill. Adm. Code 810 Solid Waste Disposal: General Provisions (P-8702) (P-17709)
35 Ill. Adm. Code 722 Standards Applicable to Generators of Hazardous Waste (P-9445; A-20822)
35 Ill. Adm. Code 814 Standards for Existing Landfills & Units (P-8714) (P-17721)
35 Ill. Adm. Code 811 Standards for New Solid Waste Landfills (P-8726) (P-16921/92; A-12413) (P-17730)
35 Ill. Adm. Code 724 Standards for Owners & Operators of Hazardous Waste Treatment, Storage & Disposal Facilities (P-16970/92; A-5806) (P-9453; A-20830)
35 Ill. Adm. Code 726 Standards for the Management of Specific Hazardous Waste & Specific Types of Hazardous Waste Management Facilities (P-17028/92; A-5865) (P-9528; A-20904)
35 Ill. Adm. Code 739 Standards for the Management of Used Oil (P-9588; A-20954)
35 Ill. Adm. Code 232 Toxic Air Contaminants (P-14540)
35 Ill. Adm. Code 730 Underground Injection Control Operating Requirements (P-8428; A-15646)
35 Ill. Adm. Code 303 Water Use Designations & Site Specific Water Quality Standards (P-16374) (P-18759)

PROFESSIONAL REGULATION, DEPARTMENT OF
4 Ill. Adm. Code 275 Americans With Disabilities Act Grievance Procedure (A-7003/92; CC-1673)
68 Ill. Adm. Code 1175 Barber, Cosmetology, Esthetics & Nail Technology Act of 1985; The (P-20217)
68 Ill. Adm. Code 1470 Clinical Social Work & Social Work Practice Act (P-8435)
68 Ill. Adm. Code 1210 Collection Agency Act (P-16374/92; A-1535)
68 Ill. Adm. Code 1250 Funeral Directors & Embalmers Act (P-11315; A-19132)
68 Ill. Adm. Code 1150 Ill. Architecture Practice Act of 1989 (P-17042/92; A-1554) (P-11337)
68 Ill. Adm. Code 1220 Ill. Dental Practice Act (P-15762/92; A-1559) (P-1708) (P-8127; A-15890) (E-8309)
68 Ill. Adm. Code 1300 Ill. Nursing Act of 1987 (P-16484/92; A-1572)
68 Ill. Adm. Code 1340 Ill. Physical Therapy Act (P-8444; A-14606)
68 Ill. Adm. Code 1270 Ill. Professional Land Surveyor Act of 1989 (P-14550)

PROFESSIONAL REGULATION, DEPARTMENT OF (CONT'D)
68 Ill. Adm. Code 1465 Ill. Speech-Language Pathology & Audiology Practice Act, The (P-890)
68 Ill. Adm. Code 1285 Medical Practice Act of 1987 (P-9624; A-17191)
68 Ill. Adm. Code 1310 Nursing Home Administrators Licensing & Disciplinary Act (P-8139; A-17220)
68 Ill. Adm. Code 1320 Optometric Practice Act of 1987 (P-6729; A-18096) (P-14559)
68 Ill. Adm. Code 1240 Private Detective, Private Alarm & Private Security Act of 1983 (P-15775/92;

A-1579)
68 Ill. Adm. Code 1430 Public Accounting Act (Professional Conduct) (P-4141A-13487)
68 Ill. Adm. Code 1455 Real Estate Appraiser Certification (P-15785/92; A-1589) (P-6612; A-13494) (E-6668) (P-16379)
68 Ill. Adm. Code 1480 Structural Engineering Licensing Act of 1989, The (P-4149; A-11162)

PUBLIC AID, DEPARTMENT OF
89 Ill. Adm. Code 112 Aid to Families With Dependent Children (P-46; W-21125) (P-3335/92; A-357) (P-13381/92; A-813) (P-14522/92; A-813) (P-15277/92; A-2253) (P-18216/92; A-4312) (P-5436; A-15017) (P-6026; A-15017) (E-6325) (P-19642/92; A-6792) (P-7745; A-15017) (P-10705; A-19156) (P-19436) (E-19696)
89 Ill. Adm. Code 113 Aid to the Aged, Blind or Disabled (P-702; A-6804) (P-13383/92; A-827) (P-13380) (P-14999/92; A-2263) (P-14533/92; A-3202) (P-17047/92; A-4322) (P-17457/92; P-6804) (P-7755; A-14612)
89 Ill. Adm. Code 110 Application Process (P-13207/92; A-640)
89 Ill. Adm. Code 111 Assistance Standards (P-16491/92; A-3213) (P-18764)
89 Ill. Adm. Code 160 Child Support Enforcement (P-8892/92; A-2272) (P-3820; A-18844) (P-12067) (P-12573) (P-15229)
89 Ill. Adm. Code 165 Collections & Recoveries (P-2110; A-8187) (P-6614; RC-14186; A-18113)
89 Ill. Adm. Code 116 Crisis Assistance (P-13764/92; A-1078) (P-12092; A-19188)
89 Ill. Adm. Code 170 Demonstration Programs (P-10736) (P-19440) (E-19721)
89 Ill. Adm. Code 144 Developmental Disabilities Service (P-899; A-8478) (P-2477; A-11480) (P-14796; S-18901) (E-15126) (P-19841)
89 Ill. Adm. Code 149 Diagnosis Related Grouping (DRG) Prospective Payment System (PPS) (P-14535/92; A-3217) (P-9829; W-18899) (P-15243) (E-17275)
89 Ill. Adm. Code 121 Food Stamps (P-13385/92; A-644) (P-15813/92; A-4333) (P-7165; A-14625; EC-19327) (P-14798) (E-15149) (P-16405) (PP-17477; EC-19327) (P-18425)
89 Ill. Adm. Code 170 Fresh Start Welfare Reform Demonstration Program, The (P-10736; A-19197)
89 Ill. Adm. Code 114 General Assistance (P-13395/92; A-1091) (P-15008/92; A-2277) (P-15287/92; A-2277) (P-15810/92; A-3255) (P-14538/92; A-3639) (P-19654/92; A-6814) (P-17459/92; A-6814) (P-18226/92; A-6814) (P-19443) (E-19728)
89 Ill. Adm. Code 148 Hospital Services (P-10868/92; A-131) (P-14540/92; A-3296) (P-12826/92; RC-6549; A-6649) (P-6935; A-14643) (P-9840; W-18900) (P-15291) (E-17323)
89 Ill. Adm. Code 120 Medical Assistance Programs (P-711; A-6827) (P-14544/92; A-1102) (P-2114; A-10402) (P-13392) (P-19445)
89 Ill. Adm. Code 140 Medical Payment (P-62; A-6839) (P-13211/92; A-837) (P-7576/92; A-1112) (P-13397/92; O-1241; R-2436; A-2290; F-3058) (P-15296/92; A-2951) (P-15019/92; A-3421) (P-12838/92; A-19146/92; RQ-4517; EC-7078) (P-17049/92; A-6196) (P-16495/92; A-6196) (P-17956/92; A-6196) (P-17461/92; A-6839) (P-19665/92; A-6839) (P-17209/92; A-7004) (P-7183; RC-17491; A-18571) (E-11201) (P-10749) (P-14800; S-18902) (E-15162) (P-15444) (P-17736) (E-18152) (P-18436) (E-18611) (P-18768) (P-19012; A-20999)

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89 Ill. Adm. Code 104 Practice in Administrative Hearings (P-540; A-7025) (E-659)
89 Ill. Adm. Code 147 Reimbursement for Nursing Costs for Geriatric Facilities (P-13215/92; A-1128) (P-1716; A-8486) (P-5471; A-13498) (P-14081; W-20507) (P-14803) (E-15189) (P-18788)
89 Ill. Adm. Code 117 Related Program Provisions (P-2126; A-8191) (E-2368)
89 Ill. Adm. Code 102 Rights & Responsibilities (P-15461)
89 Ill. Adm. Code 118 Special Eligibility Groups (E-11217) (P-10751; A-19956)
89 Ill. Adm. Code 103 Support Responsibility of Relatives (P-14178/92; A-655)

PUBLIC COUNSEL, OFFICE OF
4 Ill. Adm. Code 1075 Americans With Disabilities Act Grievance Procedure (P-14182/92; A-142)

PUBLIC HEALTH, DEPARTMENT OF
77 Ill. Adm. Code 697 AIDS Confidentiality & Testing Code (E-1204) (P-2687; A-15899)
77 Ill. Adm. Code 692 AIDS Drug Reimbursement Program (P-12590) (E-12913)
77 Ill. Adm. Code 205 Ambulatory Surgical Treatment Center Licensing Requirements (P-3426/92; A-3507) (P-16414)
77 Ill. Adm. Code 595 Baccalaureate Assistance for Registered Nurses (P-17447/92; A-13746)
77 Ill. Adm. Code 600 Certified Local Health Department Code (E-12918) (P-14806)
77 Ill. Adm. Code 665 Child Health Examination Code (P-2697)
77 Ill. Adm. Code 694 College Immunization Code (P-13414/92; A-2306)
77 Ill. Adm. Code 370 Community Living Facilities Code (P-8793; A-19509)
77 Ill. Adm. Code 693 Control of Sexually Transmissible Diseases Code (E-1213) (P-2711; A-15909)
77 Ill. Adm. Code 900 Drinking Water Standards (P-10870/92; A-4388)
77 Ill. Adm. Code 535 Emergency Medical Services Code (P-10911/92; A-8196) (P-19846)
77 Ill. Adm. Code 635 Family Planning Services Code (P-19882)
77 Ill. Adm. Code 750 Food Service Sanitation Code (P-723; A-18588)
77 Ill. Adm. Code 775 Grade A Pasteurized Milk & Milk Products (P-906; A-14015)
77 Ill. Adm. Code 1235 Health Care Worker Self-Referral (P-683; A-8498)
77 Ill. Adm. Code 1130 Health Facilities Planning Procedural Rules (P-4755/92; O-1242)
77 Ill. Adm. Code 682 Hearing Aid Consumer Protection Code (P-13428/92; A-8825)
77 Ill. Adm. Code 250 Hospital Licensing Requirements (P-2016/92; A-1614) (P-15757) (P-20032/92; A-17225)
77 Ill. Adm. Code 790 Ill. Drug Formulary for the Drug Product Selection Program (P-17496/92; W-7075) (P-7198) (E-7283; A-15916)
77 Ill. Adm. Code 840 Ill. Health & Hazardous Substances Registry (P-4329/92; A-2319)
77 Ill. Adm. Code 245 Ill. Home Health Agency Code (P-747)
77 Ill. Adm. Code 890 Ill. Plumbing Code (P-18479/92; O-14187; M-19326)
77 Ill. Adm. Code 540 Ill. Trauma Center Code (P-15023/92; A-8258) (P-12101) (E-12439)
77 Ill. Adm. Code 915 Ill. Water Well & Pump Installation Contractor's License Code, The (P-10989/92; A-4425)
77 Ill. Adm. Code 695 Immunization Code (P-13472/92; A-2975)
77 Ill. Adm. Code 350 Intermediate Care for the Developmentally Disabled Facilities Code (P-4791/92; A-2351) (P-1269; A-19210) (E-2373) (P-6028; A-15056) (E-7948) (P-8781; A-19517) (P-10171; A-19517) (E-9105) (P-10144) (P-12104) (P-15044/92; A-16153) (P-17500/92; A-21017)

77 Ill. Adm. Code 190 Joint Rules of the Ill. Environmental Protection Agency, the Ill. Department of Public Health & the Ill. Department of Nuclear Safety: Certification & Operation of Environmental Laboratories (P-12769/92; A-12421)
77 Ill. Adm. Code 845 Lead Poisoning Prevention Code (P-12314/92; O-1243; M-2073; A-1884)
77 Ill. Adm. Code 610 Local Health Department Grant Rules (E-12936) (P-14824)
77 Ill. Adm. Code 615 Local Health Departments Program Standards Code (ER-12944) (PR-17741) (P-17798)
77 Ill. Adm. Code 615 Local Health Protection Grant Rules (E-13002)
77 Ill. Adm. Code 395 Long-Term Care Assistants & Aides Training Programs Code (P-8066/92; 0 A-2984)
77 Ill. Adm. Code 390 Long-Term Care for Under Age 22 Facilities Code (P-1296; A-19235) (E-2390) (P-6044; A-15073) (P-16520/92; A-16167) (E-7974) (P-10171; A-19547) (P-12128) (P-17515/92; A-21031)
77 Ill. Adm. Code 785 Manufactured Dairy Products (P-920; A-14027)
77 Ill. Adm. Code 630 Maternal & Child Health Services Code (P-8103/92; A-3013) (P-3069)
77 Ill. Adm. Code 600 Minimum Qualifications for Personnel Employed by Local Health Departments Code (ER-13115) (PR-14831)
77 Ill. Adm. Code 370 Minimum Standards for the Licensure of Community Living Facilities (P-8793) (E-9117)
77 Ill. Adm. Code 661 Newborn Metabolic Screening & Treatment Code (P-757; A-13609)
77 Ill. Adm. Code 597 Nursing Education Scholarships (P-17529/92; A-13763)
68 Ill. Adm. Code 750 Plumbers Licensing Code (P-15056/92; A-417)
77 Ill. Adm. Code 593 Podiatric Scholarship & Residency Programs Code (P-11352)
77 Ill. Adm. Code 505 Pregnancy Termination Report Code (P-13406) (E-13631)
77 Ill. Adm. Code 845 Prevention of Lead Poisoning (P-12314/92; O-1243)
77 Ill. Adm. Code 100 Rules of Practice & Procedure in Administrative Hearings (P-12153)
77 Ill. Adm. Code 330 Sheltered Care Facilities Code (P-1321; A-19258) (E-2405) (P-6059; A-15089) (E-8000) (P-10198; A-19576) (P-12188) (P-16531/92; A-16180) (P-17540; A-21044)
77 Ill. Adm. Code 300 Skilled Nursing & Intermediate Care Facilities Code (P-1346; A-19279) (E-2420) (P-6074; A-15106) (E-8026) (P-10225; A-19604) (P-12205) (P-16541/92; A-16194) (P-17555/92; A-21058)
77 Ill. Adm. Code 270 Subacute Care Hospital Demonstration Program Code (P-9654)
77 Ill. Adm. Code 672 WIC Vendor Management Code (P-12228)

PUBLIC HEALTH, DEPARTMENT OF/HEALTH FACILITIES PLANNING BOARD
77 Ill. Adm. Code 1230 Financial & Economic Feasibility Review & Evaluation Plan (PR-5187/92; AR-5878)
77 Ill. Adm. Code 1240 Financial & Economic Feasibility Review & Evaluation Plan (For All Long-Term Care & Chronic Disease Facilities (PR-5225/92; AR-5880)
77 Ill. Adm. Code 1235 Health Care Worker Self-Referral (E-432; O-3056) (P-683)

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77 Ill. Adm. Code 1120 Health Facilities Planning Financial & Economic Feasibility Review (P-5205/92; RC-1244; A-4431)
77 Ill. Adm. Code 1130 Health Facilities Planning Procedural Rules (P-15321/92; A-4448)(P-4755/92; O-1242; R-5951; A-5882)
77 Ill. Adm. Code 1100 Narrative & Planning Policies (P-8144) (P-12606)

77 Ill. Adm. Code 1110 Processing, Classification Policies & Review Criteria (P-15328/92; A-4453) (P-8149) (P-12593)

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11 Ill. Adm. Code 1428 Admissions & Credentials (P-3593; O-10011; M-12456; A-14049) (E-3683; O-6550; RC-10012)
11 Ill. Adm. Code 510 Claiming Races (P-4155; A-12423) (P-6746; A-13612) (P-15790)
11 Ill. Adm. Code 210 Definitions (P-19057)
11 Ill. Adm. Code 401 Definitions (PR-19030)
11 Ill. Adm. Code 1304 Definitions (PR-19033)
11 Ill. Adm. Code 501 Definitions & Interpretations (PR-19040)
11 Ill Adm. Code 1401 Definitions & Interpretations (PR-19050)
11 Ill. Adm. Code 402 Concessionaire Rules (P-14087)
11 Ill. Adm. Code 1413 Entries, Subscriptions & Declarations (P-13218/92; A-1628) (P-14090)
11 Ill. Adm. Code 1411 Jockeys, Apprentices, Jockey Agents, & Valets (P-1372; A-12426) (P-14094) (P-19892)
11 Ill. Adm. Code 502 Licensing (P-11367; A-19961)
11 Ill. Adm. Code 509 Medication (P-6955/92; A-3649) (P-17858)
11 Ill. Adm. Code 1409 Ownership, Partnership & Stable Name (P-4158; A-12429)
11 Ill. Adm. Code 205 Procedures for License Hearings (P-3594; A-13615)
11 Ill. Adm. Code 1440 Quarter Horse Racing (E-14181) (P-15799)
11 Ill. Adm. Code 1305 Racetrack Operators & Their Duties (P-2439/92; A-3034)
11 Ill. Adm. Code 1318 Racing Rules (P-12271; A-19303)
11 Ill. Adm. Code 1424 Regulations for Meetings (P-12133/92; A-3038)
11 Ill. Adm. Code 205 Rules of Practice (P-3594) (E-6859; O-8085)
11 Ill. Adm. Code 1416 Rules of the Race (P-12274; A-19306)
11 Ill. Adm. Code 1402 Stewards (P-11372; A-19309)
11 Ill. Adm. Code 409 Trifecta (P-14565)
11 Ill. Adm. Code 1303 Violations (P-1728; A-12437)

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89 Ill. Adm. Code 515 Advisory Councils (P-11378; A-20278) (E-11589)
4 Ill. Adm. Code 300 Americans With Disabilities Act Grievance Procedure (A-15102/92; CC-1673)
89 Ill. Adm. Code 510 Appeals & Hearings (P-11380; A-20296) (E-11608)
89 Ill. Adm. Code 557 Application (P-11382; A-20341) (E-11652)
89 Ill. Adm. Code 553 Assessment for Determining Eligibility & Rehabilitation Needs (P-11384;A-20346)(E-11657)
89 Ill. Adm. Code 897 Assistive Technology for Persons with Disabilities Tax Check Off Fund (E-6886)
89 Ill. Adm. Code 540 Auxiliary Aids (P-20088/92; A-6244) (PR-11386; AR-20354) (ER-11667)
89 Ill. Adm. Code 708 Case Transfers/Referrals (P-9852; RC-17492) (E-10003)
89 Ill. Adm. Code 562 Client Financial Participation (P-14189/92; A-3895) (P-11388; A-20356) (E-11676)
89 Ill. Adm. Code 680 Client Responsibilities (P-943)
89 Ill. Adm. Code 617 Closure (P-11390; A-20366) (E-11686)
89 Ill. Adm. Code 567 Comparable Benefits (P-10403/92; A-149) (P-11392; A-20375) (E-11696)
89 Ill. Adm. Code 505 Confidentiality of Information (P-1731; A-9964)
89 Ill. Adm. Code 530 Criteria for the Evaluation of Programs of Services in Community Rehabilitation Programs (P-11394; A-20380) (E-11701)

89 Ill. Adm. Code 552 Eligibility (PR-11396; AR-20413) (ER-11733)
89 Ill. Adm. Code 525 Grants & Contracts (P-947; A-9980)
2 Ill. Adm. Code 1177 Hearing Officer Standards (P-11400; A-20415)
89 Ill. Adm. Code 730 Ill. Center for Rehabilitation & Education/Community Residential Services for the Blind & Visually Impaired (P-11398; A-20419) (E-11745)
89 Ill. Adm. Code 730 Ill. Visually Handicapped Institute (P-10397/92; A-425)
89 Ill. Adm. Code 1177 Impartial Hearing Officer Standards (P-11400) (E-11766)
89 Ill. Adm. Code 572 Individualized Written Rehabilitation Program (IWRP) (P-11402; A-20438) (E-11770)
89 Ill. Adm. Code 602 Maintenance (PR-11404; AR-20448) (ER-11780)
89 Ill. Adm. Code 587 Medical, Psychological, & Related Services (P-952; W-3686) (PR-11406; AR-20450)(ER-11784)
89 Ill. Adm. Code 830 Non-Academic Programs & Policies (P-18759/92; A-6248)
89 Ill. Adm. Code 685 Non-Financial Eligibility (P-18947/92; A-6256)
89 Ill. Adm. Code 680 Other Client Responsibilities (P-943; A-7230)
89 Ill. Adm. Code 607 Other Services (PR-11408; AR-20453) (ER-11796)
89 Ill. Adm. Code 612 Placement (PR-11410; AR-20455)(ER-11801)
89 Ill. Adm. Code 622 Post-Employment Services (PR-11412; ER-11804; AR-20457)
89 Ill. Adm. Code 690 Prescreening & Eligibility Determination Processes (P-15065/92; A-3675)
89 Ill. Adm. Code 827 Rules of Conduct (P-77; A-6260)
89 Ill. Adm. Code 657 Secondary Transitional Experience Program (PR-11414; AR-20459) (ER-11808)
89 Ill. Adm. Code 590 Services (P-11416; AR-20461) (E-11812)
89 Ill. Adm. Code 597 Tools, Equipment, Supplies & Initial Stock (PR-11420; AR-20503) (ER-11856)
89 Ill. Adm. Code 592 Training Services (P-1375; W-3687) (PR-11422; AR-20505) (ER-11864)

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80 Ill. Adm. Code 1650 Administration & Operation of the Teachers' Retirement System (P-12384/92; A-1631)

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86 Ill. Adm. Code 210 Board of Appeals (E-665) (P-2718; C-3545; A-8860)
86 Ill. Adm. Code 1000 Disaster Relief (E-12445)
86 Ill. Adm. Code 105 Electronic Filing of Ill. Individual Income Tax Returns (P-219; A-7031) (E-445) (P-9854; A-18118)
86 Ill. Adm. Code 100 Income Tax (P-222; A-8869) (E-473) (P-6619; A-13776) (P-6945; A-19966) (P-9870; A-19632) (AR-14189) (P-15471) (P-17861)
86 Ill. Adm. Code 535 Nursing Home Grant Assistance Act (P-15340/92; A-3042)
86 Ill. Adm. Code 750 Payment of Taxes by Electronic Funds Transfer (P-8450; A-18132)
86 Ill. Adm. Code 110 Property Tax/Revenue Act of 1939 (P-2507)
2 Ill. Adm. Code 1200 Public Information, Rulemaking & Organization (A-7054)
86 Ill. Adm. Code 130 Retailers' Occupation Tax (P-14554/92; A-860) (P-6955; A-18142) (P-8461; A-19651) (P-15501)
86 Ill. Adm. Code 530 Senior Citizens & Disabled Persons Property Tax Relief & Pharmaceutical Assistance Act (P-3104; A-11566)
86 Ill. Adm. Code 140 Service Occupation Tax (P-15515)
86 Ill. Adm. Code 160 Service Use Tax (P-15522)
86 Ill. Adm. Code 700 Uniform Penalty & Interest Act (P-16421)
86 Ill. Adm. Code 150 Use Tax (P-14563/92; A-1947) (P-15527)

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38 Ill. Adm. Code 450 Residential Mortgage License Act of 1987 (P-17570/92; A-3513)

SAVINGS AND RESIDENTIAL FINANCE, COMMISSIONER OF
4 Ill. Adm. Code 1100 Americans With Disabilities Act Grievance Procedure (P-13483/92; A-14653)
38 Ill. Adm. Code 1000 Ill. Savings & Loan Act of 1985 (Recodified) (A-4464)
38 Ill. Adm. Code 1050 Residential Mortgage License Act of 1987 (Recodified) (A-4475)
38 Ill. Adm. Code 1075 Savings Bank Act (P-2727; A-8894; RQ-11873; EC-18223)

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14 Ill. Adm. Code 150 Business Corporation Act (P-4167; A-11571)
92 Ill. Adm. Code 1040 Cancellation, Revocation or Suspension of Licenses or Permits (P-1747; A-8512) (P-2128; A-12782) (P-2856; A-9028)
92 Ill. Adm. Code 1060 Commercial Driver Training Schools (CC-20006)
80 Ill. Adm. Code 420 Department of Personnel (P-15342/92; A-1652)
2 Ill. Adm. Code 553 Hearing Officer Qualification (A-21072)
23 Ill. Adm. Code 3030 Ill. Library Systems Act (P-9678) (E-9725) (P-12277) (E-12449) (P-19072)
92 Ill. Adm. Code 1070 Ill. Safety Responsibility Law (P-2863; A-8517)
23 Ill. Adm. Code 3070 Ill. State Library Scholarships (P-19460)
92 Ill. Adm. Code 1030 Issuance of Licenses (P-956; A-8275) (E-1219) (P-1752; A-8522) (P-17229/92; A-2025) (P-12138/92; A-7065) (P-13661; A-19315) (P-15803)
14 Ill. Adm. Code 178 Limited Liability Company Act (P-13672)
23 Ill. Adm. Code 3040 Literacy Grant Program (P-958; A-7234) (P-18441)
2 Ill. Adm. Code 560 Lobbyist Registration & Reports (P-17877)
92 Ill. Adm. Code 1001 Procedures & Standards (1758; A-8528) (E-2047) (P-19761/92; A-6274)
2 Ill. Adm. Code 550 Public Information, Rulemaking, & Organization (A-9986)
23 Ill. Adm. Code 3060 Public Library Construction Grants (P-18445) (E-18687)
14 Ill. Adm. Code 170 Revised Uniform Limited Partnership Act (P-13784/92; A-427)
1 Ill. Adm. Code 100 Rulemaking (P-2867; A-10414)
14 Ill. Adm. Code 180 Uniform Commercial Code (P-18793)

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3 Ill. Adm. Code 800 Placement of Monuments, Memorials & Statues on the Capitol Building Grounds (P-15828/92; A-6513)
3 Ill. Adm. Code 850 Space Utilization in the Capitol Complex (P-15832/92; A-6517)

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20 Ill. Adm. Code 1230 Firearm Owner's Identification Act (P-7768; A-18856)
20 Ill. Adm. Code 1285 Sample Collection for Genetic Marker Indexing (P-13981)

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80 Ill. Adm. Code 150 Procedures of the Department of State Police Merit Board (E-17372/92; RC-181; F-5952) (P-17959/92; A-9716; RQ-11895; EC-14684) (P-14568; A-21079)

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23 Ill. Adm. Code 2731 Correctional Officer's Grant Program (P-1381)
23 Ill. Adm. Code 2720 Federal Family Education Loan Program (FFELP) (P-1403; A-10506)
23 Ill. Adm. Code 2700 General Provisions (P-1385; A-10541)

23 Ill. Adm. Code 2731 Grant Program for Dependents of Correctional Officers (P-1381; A-10559)
23 Ill. Adm. Code 2720 Guaranteed Loan Programs (P-1403) (E-2055)
23 Ill. Adm. Code 2730 Ill. National Guard Grant Program (P-1437; A-10563)
23 Ill. Adm. Code 2733 Ill. Veteran Grant (IVG) Program (P-1444; A-10570)
23 Ill. Adm. Code 2761 Merit Recognition Scholarship (MRS) Program (P-1453; A-10579)
23 Ill. Adm. Code 2763 Minority Teachers of Ill. (MTI) Scholarship Program (E-175) (P-1459; A-10585)
23 Ill. Adm. Code 2735 Monetary Award Program (P-1470; A-10596) (E-6672) (P-10252)
23 Ill. Adm. Code 2762 Paul Douglas Teacher Scholarship Program (P-1484: A-10611)
23 Ill. Adm. Code 2732 Police Officer/Fire Officer Grant Program (P-1493; A-10620)
23 Ill. Adm. Code 2760 State Scholar Program (P-1497; A-10624)
23 Ill. Adm. Code 2770 Student to Student (STS) Program of Matching Grants (P-1505; A-10632)

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92 Ill. Adm. Code 2520 State Toll Highway Rules (PR-566; AR-8536)
92 Ill. Adm. Code 2520 State Toll Highway Rules (P-542; A-8539)

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92 Ill. Adm. Code 451 Administrative Requirements for Official Testing Stations (P-3110; A-12839)
4 Ill. Adm. Code 750 Americans With Disabilities Act Grievance Procedure (A-11418/92; CC-1673)
92 Ill. Adm. Code 700 Construction in Floodways of Rivers, Lakes & Streams (P-17235/92; A-4484)
92 Ill. Adm. Code 522 Control of Outdoor Advertising Adjacent to Primary & Interstate Highways (P-981; A-7258)
92 Ill. Adm. Code 10 Disadvantaged, Minority & Woman-Owned Businesses (P-6418; A-17239)
92 Ill. Adm. Code 397 Driving & Parking (P-13686)
92 Ill. Adm. Code 392 Driving of Motor Vehicles (P-13690)
92 Ill. Adm Code 600 Employee Commute Options (P-12613)
92 Ill. Adm. Code 395 Hours of Service of Drivers (P-13693)
92 Ill. Adm. Code 396 Inspection, Repair & Maintenance (P-13699)
92 Ill. Adm. Code 440 Minimum Safety Standards for Construction of Type I School Buses (P-15835/92; A-3530)
92 Ill. Adm. Code 442 Minimum Safety Standards for Construction of Type II School Buses (P-15845/92; A-3540)
92 Ill. Adm. Code 67 Morris Municipal Airport Hazard Zoning (P-1767; A-9035)
92 Ill. Adm. Code 390 Motor Carrier Safety Regs.: General (P-13986)
92 Ill. Adm. Code 456 Nonscheduled Bus Inspections (P-13704)
92 Ill. Adm. Code 393 Parts & Accessories Necessary for Safe Operation (P-13730)
92 Ill. Adm. Code 386 Procedures & Enforcement (P-13734)
92 Ill. Adm. Code 391 Qualification of Drivers (P-13739)
92 Ill. Adm. Code 454 Rates to be Charged by Official Testing Stations for Second Division Vehicles Other than School Buses (P-12278; A-19662)
92 Ill. Adm. Code 704 Regulation of Public Waters (P-17244/92; A-4494)
92 Ill. Adm. Code 518 Relocation Assistance & Payments Program (P-12628)
92 Ill. Adm. Code 77 Scott Joint-Use Airport Hazard Zoning (P-1789; A-9057)
92 Ill. Adm. Code 453 Specifications for Seat Safety Belts (P-2186; a-8563)
92 Ill. Adm. Code 533 Use & Enjoyment of Rest Areas (P-18447)
92 Ill. Adm. Code 451 Vehicle Inspections (P-3110)

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4 Ill. Adm. Code 350 Americans With Disabilities Act Grievance Procedure (P-5582; A-9994)
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TYPE OF RULEMAKING

am = amendment to existing Section
cc = codification changes
n = new Section
r = repeal of existing Section
re = recodified
# = renumbered

ACTION CODES

A = Adopted rule
C = Correction
P = Proposed Rule
E = Emergency rule
PP = Peremptory rule
M = Modification
W = Withdrawal
RQ = Request for Correction
PF = Prohibited filing
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100.240	am	(P-2867; A-10414)
100.250	n	(P-2867; A-10414)
100.260	am	(P-2867; A-10414)
100.270	am	(P-2867; A-10414)
100.280	am	(P-2867; A-10414)
100.300	am	(P-2867; A-10414)
100.310	am	(P-2867; A-10414)
100.320	am	(P-2867; A-10414)
100.330	am	(P-2867; A-10414)
100.335	am	(P-2867; A-10414)
100.340	am	(P-2867; A-10414)
100.345	am	(P-2867; A-10414)
100.350	am	(P-2867; A-10414)
100.360	am	(P-2867; A-10414)
100.380	am	(P-2867; A-10414)
100.385	am	(P-2867; A-10414)
100.390	am	(P-2867; A-10414)
100.400	am	(P-2867; A-10414)
100.410	am	(P-2867; A-10414)
100.415	am	(P-2867; A-10414)
100.420	am	(P-2867; A-10414)
100.430	am	(P-2867; A-10414)
100.440	am	(P-2867; A-10414)
100.450	am	(P-2867; A-10414)
100.500	am	(P-2867; A-10414)
100.510	am	(P-2867; A-10414)
100.530	am	(P-2867; A-10414)
100.540	am	(P-2867; A-10414)
100.545	am	(P-2867; A-10414)
100.550	am	(P-2867; A-10414)
100.600	am	(P-2867; A-10414)
100.610	am	(P-2867; A-10414)
100.620	am	(P-2867; A-10414)
100.640	am	(P-2867; A-10414)
100.650	am	(P-2867; A-10414)
100.660	am	(P-2867; A-10414)
100.700	am	(P-2867; A-10414)
100.710	am	(P-2867; A-10414)
100.740	am	(P-2867; A-10414)
100.800	am	(P-2867; A-10414)
100.810	am	(P-2867; A-10414)
100.820	am	(P-2867; A-10414)
100.900	am	(P-2867; A-10414)
100.910	am	(P-2867; A-10414)
100.920	am	(P-2867; A-10414)
100.1000	am	(P-2867; A-10414)
100.1010	am	(P-2867; A-10414)
100.1020	am	(P-2867; A-10414)
100.1030	am	(P-2867; A-10414)
100.1100	am	(P-2867; A-10414)
100.1110	am	(P-2867; A-10414)
100.1150	am	(P-2867; A-10414)
100.1160	n	(P-2867; A-10414)
100.1200	am	(P-2867; A-10414)
100.1210	am	(P-2867; A-10414)
100.Ap.A		
11.A	am	(P-2867; A-10414)
100.Ap.B		
11.G	n	(P-2867; A-10414)
11.H	n	(P-2867; A-10414)
11.I	n	(P-2867; A-10414)
100.Ap.D		
11.A	am	(P-2867; A-10414)
100.Ap.E		
11.C	am	(P-2867; A-10414)
11.D	am	(P-2867; A-10414)
11.F	am	(P-2867; A-10414)
11.G	n	(P-2867; A-10414)
210.100		(CC-5965) (P-13268)
210.200		(CC-5965) (P-13268)
210.300	am	(P-13268)
210.400		(CC-5965) (P-13268)
210.450		(CC-5965) (P-13268)
210.500		(CC-5965) (P-13268)
220.100		(CC-5971) (P-13307)
220.150		(CC-5971) (P-13307)
220.200		(CC-5971) (P-13307)
220.250		(CC-5971) (P-13307)
220.275		(CC-5971) (P-13307)
220.285		(CC-5971) (P-13307)
220.300		(CC-5971) (P-13307)
220.450		(CC-5971) (P-13307)
220.500		(CC-5971) (P-13307)

220.600		(CC-5971) (P-13307)
220.700	am	(P-13307)
220.760		(CC-5971) (P-13307)
220.780		(CC-5971) (P-13307)
220.800	am	(P-13307) (P-13307)
220.900		(CC-5971) (P-13307)
220.950		(CC-5971) (P-13307)
220.1000		(CC-5971) (P-13307)
220.1100		(CC-5971) (P-13307)
220.1150		(CC-5971) (P-13307)
220.1200		(CC-5971) (P-13307)
220.1250	am	(P-13307)
220.1300		(CC-5971) (P-13307)
220.Ex.A	am	(P-13307)
220.Ex.B	am	(P-13307)
220.Ex.C	r	(P-13307)
220.Ex.D	r	(P-13307)
220.Ex.E		(CC-5971) (P-13307)
220.Ex.F		(CC-5971) (P-13307)
220.Ex.G		(CC-5971) (P-13307)
220.Ex.H	am	(P-13307)
220.Ex.I	am	(P-13307)
220.Ex.J	am	(P-13307)
220.Ex.K	n	(P-13307)
230.100		(CC-5967) (P-13274)
230.200		(CC-5967) (P-13274)
230.300	am	(P-13274)
230.350	am	(P-13274)
230.375	am	(P-13274)
230.400		(CC-5967) (P-13274)
230.550		(CC-5967) (P-13274)
230.600		(CC-5967) (P-13274)
230.700		(CC-5967) (P-13274)
230.800		(CC-5967) (P-13274)
230.900	am	(P-13274)
230.1000		(CC-5967) (P-13274)
230.Ex.A		(CC-5967) (P-13274)
230.Ex.B		(CC-5967) (P-13274)
230.Ex.C		(CC-5967) (P-13274)
230.Ex.D	am	(P-13274)
230.Ex.E	am	(P-13274)
230.Ex.F		(CC-5967) (P-13274)
240.100		(CC-5969) (P-13294)
240.200		(CC-5969) (P-13294)
240.300	am	(P-13294)
240.400	am	(P-13294)
240.450	am	(P-13294)
240.500		(CC-5969) (P-13294)
240.650		(CC-5969) (P-13294)
240.700		(CC-5969) (P-13294)
240.800		(CC-5969) (P-13294)
240.900		(CC-5969) (P-13294)
240.1000	am	(P-13294)
240.1100		(CC-5969) (P-13294)
245.100		(CC-5962) (P-13248)
245.110		(CC-5962) (P-13248)
245.120		(CC-5962) (P-13248)
245.130		(CC-5962) (P-13248)
245.140		(CC-5962) (P-13248)
245.Ex.A		(CC-5962) (P-13248)
245.Ex.B		(CC-5962) (P-13248)
250.100	am	(P-13257)
250.200	am	(P-13257)
250.300	am	(P-13257)
250.400	am	(P-13257)
250.500	am	(P-13257)
250.600	am	(P-13257)
250.700	am	(P-13257)
250.800	am	(P-13257)
250.900	am	(P-13257)
250.1000	am	(P-13257)
250.1200	am	(P-13257)
250.1300	am	(P-13257)
250.1400	am	(P-13257)
250.1500	am	(P-13257)
250.1600	am	(P-13257)
250.1700	am	(P-13257)
250.1800	am	(P-13257)
250.1900	am	(P-13257)
250.2000	am	(P-13257)
250.2100	am	(P-13257)
250.2200	am	(P-13257)
260.100		(CC-5960)
260.200	am	(P-13233)
260.300	am	(P-13233)
260.350		(CC-5960)
260.400	am	(P-13233)
260.600	am	(P-13233)
260.650	am	(P-13233)
260.700	am	(P-13233)
260.900		(CC-5960)
260.950		(CC-5960)
260.1000		(CC-5960)
260.1100	am	(P-13233)
260.1200		(CC-5960)
260.1300	am	(P-13233)

260.Ex.A		(CC-5960)
260.Ex.B		(CC-5960)
260.Ex.C	am	(P-13233)
260.Ex.D	am	(P-13233)
300.100	am	(P-11391/92; A-1511)
300.200	am	(P-11391/92; A-1511)
300.300	r	(P-11391/92; A-1511)
300.400	am	(P-11391/92; A-1511)
300.Ap.A	r	(P-11391/92; A-1511)

TITLE 2

550.210	am	(A-9986)
553.10	n	(A-21072)
553.20	n	(A-21072)
553.30	n	(A-21072)
553.40	n	(A-21072)
553.50	n	(A-21072)
553.60	n	(A-21072)
550.Tb.A	am	(A-9986)
560.100	n	(P-17877)
560.200	n	(P-17877)
560.205	n	(P-17877)
560.210	n	(P-17877)
560.220	n	(P-17877)
560.300	n	(P-17877)
560.305	n	(P-17877)
560.310	n	(P-17877)
560.315	n	(P-17877)
560.320	n	(P-17877)
560.330	n	(P-17877)
560.340	n	(P-17877)
560.345	n	(P-17877)
560.350	n	(P-17877)
560.360	n	(P-17877)
560.365	n	(P-17877)
560.370	n	(P-17877)
560.375	n	(P-17877)
560.380	n	(P-17877)
560.385	n	(P-17877)
560.390	n	(P-17877)
560.395	n	(P-17877)
560.400	n	(P-17877)
560.402	n	(P-17877)
560.405	n	(P-17877)
560.410	n	(P-17877)
560.420	n	(P-17877)
700.Ap.B	am	(A-19895)
700.Ap.F	am	(A-19895)
825.110		(CC-8092)
951.		(CC-13227)
1177.10	am	(A-20415)
1200.100	n	(A-7054)
1270.110	n	(A-14659)
1270.120	n	(A-14659)
1270.210	n	(A-14659)
1270.220	n	(A-14659)
1270.310	n	(A-14659)
1270.320	n	(A-14659)
1270.410	n	(A-14659)
1270.420	n	(A-14659)
1270.510	n	(A-14659)
1270.520	n	(A-14659)
1270.530	n	(A-14659)
1551.Ap.B	am	(A-16500)
1600.100		(CC-8094)
1601.10		(CC-8093)
1976.10		(CC-13226)
2075.100		(CC-8096)
2150.		(CC-8097)
5001.600	n	(A-14913)
5175.		(CC-6904)
5176.		(CC-6903)

TITLE 3

800.20	n	(P-15828/92; A-6513)
850.10	n	(P-15832/92; A-6517)

TITLE 4

125.10	n	(P-2283/92; A-1811)
125.20	n	(P-2283/92; A-1811)
125.30	n	(P-2283/92; A-1811)
125.40	n	(P-2283/92; A-1811)
125.50	n	(P-2283/92; A-1811)
125.60	n	(P-2283/92; A-1811)
125.70	n	(P-2283/92; A-1811)
125.80	n	(P-2283/92; A-1811)
125.Ap.A	n	(P-2283/92; A-1811)
150.10	n	(P-1263; A-19120)
150.20	n	(P-1263; A-19120)
150.30	n	(P-1263; A-19120)
150.40	n	(P-1263; A-19120)
150.50	n	(P-1263; A-19120)
150.60	n	(P-1263; A-19120)
200.1	n	(P-1954/92; A-2200)
200.2	n	(P-1954/92; A-2200)
200.20	n	(P-1954/92; A-2200)

200.30	n	(P-1954/92; A-2200)
200.50	n	(P-1954/92; A-2200)
200.60	n	(P-1954/92; A-2200)
200.70	n	(P-1954/92; A-2200)
225.10	n	(P-7749/92; A-2945)
225.20	n	(P-7749/92; A-2945)
225.30	n	(P-7749/92; A-2945)
225.40	n	(P-7749/92; A-2945)
225.50	n	(P-7749/92; A-2945)
225.60	n	(P-7749/92; A-2945)
225.70	n	(P-7749/92; A-2945)
275		(A-7003/92; CC-1673)
300		(A-15102/92; CC-1673)
325		(A-8565/92; CC-1673)
350.110	n	(P-5582; A-9994)
350.120	n	(P-5582; A-9994)
350.130	n	(P-5582; A-9994)
350.140	n	(P-5582; A-9994)
350.150	n	(P-5582; A-9994)
350.160	n	(P-5582; A-9994)
350.170	n	(P-5582; A-9994)
350.180	n	(P-5582; A-9994)
375		(A-15976/92; CC-1673)
400		(A-12439/92; CC-1673)
475		(A-10423/92; CC-1673)
500		(A-11426/92; CC-1673)
550		(A-11744/92; CC-1673)
575		(A-14621/92; CC-1673)
700.101	n	(P-15684/92; A-6507)
700.102	n	(P-15684/92; A-6507)
700.103	n	(P-15684/92; A-6507)
700.201	n	(P-15684/92; A-6507)
700.202	n	(P-15684/92; A-6507)
700.203	n	(P-15684/92; A-6507)
700.204	n	(P-15684/92; A-6507)
725		(A-11432/92; CC-1673)
750		(A-11418/92; CC-1673)
775.10	n	(P-13710/92; A-6499)
775.20	n	(P-17310/92; A-6499)
775.30	n	(P-13710/92; A-6499)
775.40	n	(P-17310/92; A-6499)
775.50	n	(P-13710/92; A-6499)
775.60	n	(P-17310/92; A-6499)
775.70	n	(P-13710/92; A-6499)
775.Ap.A	n	(P-17310/92; A-6499)
800.10	n	(P-11988/92; A-11143)
800.20	n	(P-11988/92; A-11143)
800.30	n	(P-11988/92; A-11143)
800.40	n	(P-11988/92; A-11143)
800.50	n	(P-11988/92; A-11143)
800.60	n	(P-11988/92; A-11143)
800.70	n	(P-11988/92; A-11143)
800.80	n	(P-11988/92; A-11143)
800.Ap.A	n	(P-11988/92; A-11143)
900.10	n	(P-9273/92; A-9887)
900.20	n	(P-9273/92; A-9887)
900.30	n	(P-9273/92; A-9887)
900.40	n	(P-9273/92; A-9887)
900.50	n	(P-9273/92; A-9887)
900.60	n	(P-9273/92; A-9887)
900.70	n	(P-9273/92; A-9887)
925.100	n	(P-10534/92; A-8162)
925.110	n	(P-10534/92; A-8162)
925.120	n	(P-10534/92; A-8162)
925.130	n	(P-10534/92; A-8162)
925.140	n	(P-10534/92; A-8162)
925.150	n	(P-10534/92; A-8162)
925.160	n	(P-10534/92; A-8162)
925.Ap.A	n	(P-10534/92; A-8162)
975		(A-19806/92; CC-1673)
1000		(A-20092/92; CC-1673)
1025.10	n	(P-13188/92; A-8802)
1025.20	n	(P-13188/92; A-8802)
1025.30	n	(P-13188/92; A-8802)
1025.40	n	(P-13188/92; A-8802)
1025.50	n	(P-13188/92; A-8802)
1025.60	n	(P-13188/92; A-8802)
1025.70	n	(P-13188/92; A-8802)
1050.10	n	(P-17399/92; A-4185)
1050.20	n	(P-17399/92; A-4185)
1050.30	n	(P-17399/92; A-4185)
1050.40	n	(P-17399/92; A-4185)
1050.50	n	(P-17399/92; A-4185)
1050.60	n	(P-17399/92; A-4185)
1050.70	n	(P-17399/92; A-4185)
1075.10	n	(P-14182/92; A-142)
1075.20	n	(P-14182/92; A-142)
1075.30	n	(P-14182/92; A-142)
1075.40	n	(P-14182/92; A-142)
1075.50	n	(P-14182/92; A-142)
1075.60	n	(P-14182/92; A-142)
1075.70	n	(P-14182/92; A-142)
1100.10	n	(P-13483/92; A-14653)
1100.20	n	(P-13483/92; A-14653)
1100.30	n	(P-13483/92; A-14653)
1100.40	n	(P-13483/92; A-14653)

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1100.50	n	(P-13483/92; A-14653)
1100.60	n	(P-13483/92; A-14653)
1100.70	n	(P-13483/92; A-14653)
1125.10	n	(P-4523; A-11435)
1125.20	n	(P-4523; A-11435)
1125.30	n	(P-4523; A-11435)
1125.40	n	(P-4523; A-11435)
1125.50	n	(P-4523; A-11435)
1125.60	n	(P-4523; A-11435)
1125.70	n	(P-4523; A-11435)

TITLE 8

20.1	am	(P-14739)
40.5	am	(P-14769)
40.60	am	(P-14769)
40.80	am	(P-14769)
40.110	am	(P-14769)
40.170	am	(P-14769)
65.10	am	(P-527; A-6749)
65.100	am	(P-527; A-6749)
65.130	am	(P-527; A-6749)
65.140	am	(P-527; A-6749)
65.150	am	(P-527; A-6749)
65.170	am	(P-527; A-6749)
65.190	am	(P-527; A-6749)
65.200	am	(P-527; A-6749)
65.210	am	(P-527; A-6749)
65.220	am	(P-527; A-6749)
65.230	am	(P-527; A-6749)
75.5	am	(P-14728)
75.10	am	(P-14728)
75.40	r	(P-14728)
75.120	am	(P-14728)
75.180	am	(P-14728)
75.190	am	(P-14728)
75.200	am	(P-14728)
75.210	am	(P-14728)
75.Tb.A	r	(P-14728)
75.Tb.B	r	(P-14728)
85.5	am	(P-14747)
85.15	am	(P-14747)
85.50	am	(P-14747)
85.75	am	(P-14747)
85.100	am	(P-14747)
85.110	am	(P-14747)
85.115	am	(P-14747)
85.125	n	(E-14052) (P-14747)
105.5	am	(P-14781)
105.10	am	(P-14781)
105.30	am	(E-5910) (P-6377; A-14010) (P-14781)
110.50	am	(P-14717)
110.80	am	(P-14717)
110.90	am	(P-14717)
110.110	am	(P-14717)
115.80	am	(E-5906) (P-6373; A-14006)
116.10	n	(P-14761)
116.20	n	(P-14761)
116.30	n	(P-14761)
125.100	am	(PP-15725)
125.260	am	(PP-16238) (P-18917)
125.270	am	(PP-2063) (PP-15725) (PP-16238) (PP-18215)
125.380	am	(P-18917)
125.390	am	(PP-2063) (PP-16238)
256.10	n	(P-14975/92: A-2189)
256.20	n	(P-14975/92: A-2189)
256.30	n	(P-14975/92: A-2189)
256.40	n	(P-14975/92: A-2189)
256.50	n	(P-14975/92: A-2189)
256.60	n	(P-14975/92: A-2189)
256.70	n	(P-14975/92: A-2189)
256.80	n	(P-14975/92: A-2189)
256.90	n	(P-14975/92: A-2189)
257.10	n	(P-14288)
257.20	n	(P-14288)
257.30	n	(P-14288)
257.40	n	(P-14288)
257.50	n	(P-14288)
257.60	n	(P-14288)
257.70	n	(P-14288)
257.80	n	(P-14288)
257.90	n	(P-14288)
257.100	n	(P-14288)
290.10	am	(P-8347; W-13812)
290.15	am	(P-8347; W-13812)
290.30	n	(P-8347; W-13812)
290.50	am	(P-8347; W-13812)
290.55	am	(P-8347; W-13812)
290.60	r	(P-8347; W-13812)
290.62	n	(P-8347; W-13812)
290.63	n	(P-8347; W-13812)
290.64	n	(P-8347; W-13812)
290.65	am	(P-8347; W-13812)
290.70	r	(P-8347; W-13812)

290.75	r	(P-8347; W-13812)
290.80	r	(P-8347; W-13812)
290.85	am	(P-8347; W-13812)
290.90	am	(P-8347; W-13812)
290.95	am	(P-8347; W-13812)
290.100	r	(P-8347; W-13812)
290.105	am	(P-8347; W-13812)
290.110	am	(P-8347; W-13812)
290.150	am	(P-8347; W-13812)
290.155	am	(P-8347; W-13812)
290.160	r	(P-8347; W-13812)
290.162	n	(P-8347; W-13812)
290.163	n	(P-8347; W-13812)
290.164	n	(P-8347; W-13812)
290.165	am	(P-8347; W-13812)
290.170	r	(P-8347; W-13812)
290.175	r	(P-8347; W-13812)
290.180	r	(P-8347; W-13812)
290.185	am	(P-8347; W-13812)
290.190	r	(P-8347; W-13812)
290.195	am	(P-8347; W-13812)
290.200	r	(P-8347; W-13812)
290.205	r	(P-8347; W-13812)
290.210	am	(P-8347; W-13812)
290.212	n	(P-8347; W-13812)
290.215	am	(P-8347; W-13812)
700.Ap. 1	am	(P-9781; A-19469)
750.10	n	(P-1251; A-6965)
750.20	n	(P-1251; A-6965)
750.30	n	(P-1251; A-6965)
750.40	n	(P-1251; A-6965)
1400.146	n	(P-3956; A-15808)
1400.147	am	(P-8297/92; A-3618) (P-3956; A-15808)
1400.149	am	(P-8297/92; A-3618) (P-3956; A-15808)

TITLE 11

100.5	am	(P-20094)
100.10	am	(P-20094)
100.20	am	(P-20094)
100.30	am	(P-20094)
100.50	am	(P-20094)
100.60	am	(P-20094)
100.70	am	(P-20094)
100.90	am	(P-20094)
100.120	am	(P-20094)
100.130	am	(P-20094)
100.150	am	(P-20094)
100.160	am	(P-20094)
100.170	am	(P-20094)
100.180	am	(P-20094)
100.210	am	(P-20094)
100.240	am	(P-20094)
100.250	am	(P-20094)
100.260	am	(P-20094)
100.280	am	(P-20094)
100.300	am	(P-20094)
100.310	am	(P-20094)
100.320	am	(P-20094)
100.330	am	(P-20094)
100.340	am	(P-20094)
100.350		(CC-8095)
	am	(P-20094)
100.360	am	(P-20094)
100.370	am	(P-20094)
100.380	am	(P-20094)
205.10	n	(P-3594; A-13615) (E-6859; O-8085)
205.20	n	(P-3594; A-13615) (E-6859; O-8085)
205.30	n	(P-3594; A-13615) (E-6859; O-8085)
205.40	n	(P-3594; A-13615) (E-6859; O-8085)
205.50	n	(P-3594; A-13615) (E-6859; O-8085)
205.60	n	(P-3594; A-13615) (E-6859; O-8085)
205.70	n	(P-3594; A-13615) (E-6859; O-8085)
205.80	n	(P-3594; A-13615) (E-6859; O-8085)
205.110	n	(P-3594; A-13615) (E-6859; O-8085)
205.120	n	(P-3594; A-13615) (E-6859; O-8085)
205.130	n	(P-3594; A-13615) (E-6859; O-8085)
205.140	n	(P-3594) (E-6859; O-8085)
205.150	n	(P-3594) (E-6859; O-8085)
205.160	n	(P-3594) (E-6859; O-8085)
205.170	n	(P-3594) (E-6859;

		O-8085)
205.180	n	(P-3594) (E-6859; O-8085)
205.190	n	(P-3594) (E-6859; O-8085)
205.250	n	(P-3594) (E-6859; O-8085)
205.260	n	(P-3594) (E-6859 O-8085)
205.270	n	(P-3594) (E-6859; O-8085)
205.280	n	(P-3594) (E-6859; O-8085)
205.290	n	(P-3594) (E-6859; O-8085)
205.300	n	(P-3594) (E-6859; O-8085)
205.310	n	(P-3594) (E-6859; O-8085)
205.320	n	(P-3594) (E-6859; O-8085)
205.330	n	(P-3594) (E-6859; O-8085)
205.340	n	(P-3594) (E-6859; O-8085)
205.350	n	(P-3594) (E-6859; O-8085)
205.360	n	(P-3594) (E-6859; O-8085)
205.370	n	(P-3594) (E-6859; O-8085)
205.380	n	(P-3594) (E-6859; O-8085)
205.420	n	(P-3594) (E-6859; O-8085)
205.430	n	(P-3594) (E-6859; O-8085)
205.440	n	(P-3594) (E-6859; O-8085)
205.450	n	(P-3594) (E-6859; O-8085)
205.460	n	(P-3594) (E-6859; O-8085)
205.470	n	(P-3594) (E-6859; O-8085)
205.480	n	(P-3594) (E-6859; O-8085)
205.490	n	(P-3594) (E-6859; O-8085)
205.500	n	(P-3594) (E-6859; O-8085)
205.510	n	(P-3594) (E-6859; O-8085)
205.520	n	(P-3594) (E-6859; O-8085)
205.530	n	(P-3594) (E-6859; O-8085)
205.540	n	(P-3594) (E-6859; O-8085)
205.550	n	(P-3594) (E-6859; O-8085)
205.560	n	(P-3594) (E-6859; O-8085)
205.570	n	(P-3594) (E-6859; O-8085)
205.580	n	(P-3594) (E-6859; O-8085)
205.590	n	(P-3594) (E-6859; O-8085)
205.600	n	(P-3594) (E-6859; O-8085)
205.610	n	(P-3594) (E-6859; O-8085)
205.620	n	(P-3594) (E-6859; O-8085)
205.650	n	(P-3594) (E-6859; O-8085)
205.660	n	(P-3594) (E-6859; O-8085)
205.670	n	(P-3594) (E-6859; O-8085)
205.680	n	(P-3594) (E-6859; O-8085)
205.690	n	(P-3594) (E-6859; O-8085)
205.700	n	(P-3594) (E-6859; O-8085)
205.710	n	(P-3594) (E-6859; O-8085)
205.720	n	(P-3594) (E-6859; O-8085)
205.730	n	(P-3594) (E-6859; O-8085)
210.10	n	(P-19057)
401.10	r	(P-19030)

402.10	am	(P-14087)
402.30	am	(P-14087)
402.40	am	(P-14087)
402.160	am	(P-14087)
409.20	am	(P-14565)
501.10	r	(P-19040)
501.20	r	(P-19040)
502.220	am	(P-11367; A-19961)
502.290	am	(P-11367; A-19961)
509.10	am	(P-6955/92; A-3649)
509.20	am	(P-6955/92; A-3649)
509.30	am	(P-6955/92; A-3649)
509.40	am	(P-6955/92; A-3649)
509.50	am	(P-6955/92; A-3649)
509.60	am	(P-6955/92; A-3649)
509.70	am	(P-6955/92; A-3649)
509.75	am	(P-6955/92; A-3649)
509.80	am	(P-6955/92; A-3649)
509.90	am	(P-6955/92; A-3649)
509.95	n	(P-6955/92; A-3649)
509.100	am	(P-6955/92; A-3649)
509.110	am	(P-6955/92; A-3649)
509.130	r	(P-6955/92; A-3649)
509.140	am	(P-6955/92; A-3649)
509.150	am	(P-6955/92; A-3649)
509.160	am	(P-6955/92; A-3649)
509.170	am	(P-6955/92; A-3649)
509.175	r	(P-6955/92; A-3649)
509.190	am	(P-6955/92; A-3649)
509.195	r	(P-6955/92; A-3649)
509.200	am	(P-6955/92; A-3649)
		(P-17858)
509.210	am	(P-6955/92; A-3649)
509.220	am	(P-6955/92; A-3649)
509.230	am	(P-6955/92; A-3649)
509.240	r	(P-6955/92; A-3649)
509.250	r	(P-6955/92; A-3649)
509.260	r	(P-6955/92; A-3649)
509.265	r	(P-6955/92; A-3649)
509.270	am	(P-6955/92; A-3649)
510.10	am	(P-15790)
510.20	am	(P-15790)
510.30	am	(P-6746; A-13612)
		(P-15790)
510.40	am	(P-15790)
510.60	am	(P-15790)
510.120	am	(P-15790)
510.130	am	(P-15790)
510.150	am	(P-15790)
510.160	am	(P-15790)
510.170	am	(P-15790)
510.180	am	(P-15790)
510.200	am	(P-6746; A-13612)
510.220	am	(P-4155; A-12423)
510.230	r	(P-15790)
510.240	am	(P-15790)
1303.70	am	(P-1728; A-12437)
1304.10	r	(P-19033)
1305.120	r	(P-2439/92; A-3034)
1305.130	r	(P-2439/92; A-3034)
1305.140	am	(P-2439/92; A-3034)
1318.30	am	(P-12271; A-19303)
1401.10	r	(P-19050)
1401.20	r	(P-19050)
1401.25	r	(P-19050)
1401.30	r	(P-19050)
1401.40	r	(P-19050)
1401.50	r	(P-19050)
1401.60	r	(P-19050)
1401.64	r	(P-19050)
1401.67	r	(P-19050)
1401.70	r	(P-19050)
1401.80	r	(P-19050)
1401.90	r	(P-19050)
1401.100	r	(P-19050)
1401.110	r	(P-19050)
1401.120	r	(P-19050)
1401.130	r	(P-19050)
1401.140	r	(P-19050)
1401.150	r	(P-19050)
1401.160	r	(P-19050)
1401.170	r	(P-19050)
1401.180	r	(P-19050)
1402.20	am	(P-11372; A-19309)
1402.30	am	(P-11372; A-19309)
1402.50	am	(P-11372; A-19309)
1402.70	am	(P-11372; A-19309)
1402.90	am	(P-11372; A-19309)
1402.120	am	(P-11372; A-19309)
1402.240	r	(P-11372; A-19309)
1402.245	n	(P-11372; A-19309)
1402.250	am	(P-11372; A-19309)
1402.260	am	(P-11372; A-19309)
1402.280	n	(P-11372; A-19309)
1409.10	am	(P-4158; A-12429)
1409.20	am	(P-4158; A-12429)

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1409.310	am	(P-4158; A-12429)
1409.410	am	(P-4158; A-12429)
1409.510	am	(P-4158; A-12429)
1409.710	am	(P-4158; A-12429)
1409.810	am	(P-4158; A-12429)
1409.100	am	(P-4158; A-12429)
1409.120	am	(P-4158; A-12429)
1409.130	am	(P-4158; A-12429)
1409.135	am	(P-4158; A-12429)
1409.138	am	(P-4158; A-12429)
1409.140	am	(P-4158; A-12429)
1409.150	am	(P-4158; A-12429)
1409.160	am	(P-4158; A-12429)
1409.170	am	(P-4158; A-12429)
1409.180	am	(P-4158; A-12429)
1409.185	am	(P-4158; A-12429)
1411.120	am	(P-14094)
1411.150	am	(P-14094)
1411.240	am	(P-19892)
1411.250	n	(P-1372; A-12426)
1413.44	am	(P-14090)
1413.46	am	(P-14090)
1413.100	am	(P-14090)
1413.150	am	(P-13218/92; A-1628)
1416.5	am	(P-12274; A-19306)
1424.170	am	(P-12133/92; A-3038)
1424.175	r	(P-12133/92; A-3038)
1428.240	n	(P-3593; O-10011; RC-10012; M-12456; A-14049) (E-3683; O-6550)
1440.10	n	(E-14181) (P-15799)
1440.20	n	(E-14181) (P-15799)
1440.30	n	(E-14181) (P-15799)
1440.40	n	(E-14181) (P-15799)
1440.50	n	(E-14181) (P-15799)
1440.60	n	(E-14181) (P-15799)
1440.70	n	(E-14181) (P-15799)
1440.80	n	(E-14181) (P-15799)
1770.10	am	(P-16738/92; A-18816)
1770.20	am	(P-16738/92; C-8074; A-18816)
1770.30	am	(P-16738/92; A-18816)
1770.40	am	(P-16738/92; A-18816)
1770.50	am	(P-16738/92; A-18816)
1770.60	am	(P-16738/92; A-18816)
1770.80	am	(P-16738/92; A-18816)
1770.90	am	(P-16738/92; A-18816)
1770.110	am	(P-16738/92; C-8074; A-18816)
1770.120	am	(P-16732/92; A-18816)
1770.130	am	(P-16738/92; A-18816)
1770.150	am	(P-16738/92; A-18816)
1770.160	am	(P-16738/92; A-18816)
1770.170	am	(P-16738/92; C-8074; A-18816)
1770.180	am	(P-16738/92; A-18816)
1770.190	am	(P-16738/92; C-8074; A-18816)
1770.200	am	(P-16738/92; A-18816)
1770.210	n	(P-16738/92; A-18816)
TITLE 14		
150.20	am	(P-4167; A-11571)
150.200	am	(P-4167; A-11571)
150.210	am	(P-4167; A-11571)
150.220	am	(P-4167; A-11571)
150.240	am	(P-4167; A-11571)
150.305	r	(P-4167; A-11571)
	n	(A-11571)
150.400	am	(P-4167; A-11571)
150.405	am	(P-4167; A-11571)
150.420	am	(P-4167; A-11571)
150.435	am	(P-4167; A-11571)
150.470	am	(P-4167; A-11571)
150.510	am	(P-4167; A-11571)
150.520	am	(P-4167; A-11571)
150.620	am	(P-4167; A-11571)
150.621	n	(P-4167; A-11571)
150.700	n	(P-4167; A-11571)
150.705	n	(P-4167; A-11571)
150.710	n	(P-4167; A-11571)
150.720	n	(P-4167; A-11571)
170.20	am	(P-13784/92; A-427)
178.10	n	(P-13672)
178.15	n	(P-13672)
178.20	n	(P-13672)
178.25	n	(P-13672)
178.30	n	(P-13672)
178.35	n	(P-13672)
178.40	n	(P-13672)
178.45	n	(P-13672)
178.50	n	(P-13672)
178.55	n	(P-13672)
178.60	n	(P-13672)
178.100	n	(P-13672)

178.105	n	(P-13672)
178.110	n	(P-13672)
178.115	n	(P-13672)
178.120	n	(P-13672)
178.125	n	(P-13672)
178.130	n	(P-13672)
178.135	n	(P-13672)
178.140	n	(P-13672)
178.145	n	(P-13672)
178.150	n	(P-13672)
178.155	n	(P-13672)
178.160	n	(P-13672)
178.165	n	(P-13672)
178.170	n	(P-13672)
178.175	n	(P-13672)
178.180	n	(P-13672)
178.185	n	(P-13672)
180.10	am	(P-18793)
180.12	am	(P-18793)
510.20	am	(P-14318)
510.50	am	(P-14318)
510.60	am	(P-14318)
510.70	am	(P-14318)
510.80	am	(P-14318)
510.85	am	(P-14318)
520.520	n	(P-9791)
520.920	am	(P-13691/92; A-1837)
520.930	am	(P-13691/92; A-1837)
520.1020	am	(P-13691/92; A-1837)
520.1030	am	(P-13691/92; A-1837)
570.10	am	(E-21087; P-21123)
570.20	am	(E-21087; P-21123)
570.25	am	(E-21087; P-21123)
570.30	am	(E-21087; P-21123)
570.40	am	(E-21087; P-21123)
570.50	am	(E-21087; P-21123)
570.60	am	(E-21087; P-21123)
570.70	am	(E-21087; P-21123)
610.10	am	(P-19352) (E-19676)
610.30	am	(P-19352) (E-19676)
610.50	am	(P-19352) (E-19676)
610.60	am	(P-19352) (E-19676)
610.100	n	(P-19352) (E-19676)
610.200	n	(P-19352) (E-19676)
610.300	n	(P-19352) (E-19676)
610.400	n	(P-19352) (E-19676)
610.500	n	(P-19352) (E-19676)
610.600	n	(P-19352) (E-19676)
610.700	n	(P-19352) (E-19676)
610.800	n	(P-19352) (E-19676)
610.900	n	(P-19352) (E-19676)
1230.100	n	(P-9222/92; A-1859)
1230.110	n	(P-9222/92; A-1859)
1230.200	n	(P-9222/92; A-1859)
1230.210	n	(P-9222/92; A-1859)
1230.300	n	(P-9222/92; A-1859)
1230.310	n	(P-9222/92; A-1859)
1230.400	n	(P-9222/92; A-1859)
1230.500	n	(P-9222/92; A-1859)
1230.510	n	(P-9222/92; A-1859)
1230.520	n	(P-9222/92; A-1859)
1230.530	n	(P-9222/92; A-1859)
1230.540	n	(P-9222/92; A-1859)
TITLE 17		
130.50	am	(P-18721)
130.70	am	(P-18721)
130.100	am	(P-18721)
220.30	am	(P-19993/92; A-6760)
220.60	am	(P-19993/92; A-6760)
370.		(CC-8091)
390.		(CC-8090)
510.10	am	(P-4601; A-10775)
530.10	am	(P-7138; A-15534)
530.20	am	(P-7138; A-15534)
530.70	am	(P-7138; A-15534)
530.80	am	(P-7138; A-15534)
530.90	am	(P-7138; A-15534)
530.100	am	(P-7138; A-15534)
530.105	am	(P-7138; A-15534)
530.110	am	(P-7138; A-15534)
530.115	am	(P-7138; A-15534)
530.120	am	(P-7138; A-15534)
550.10	am	(P-4622; A-10795)
550.20	am	(P-4622; A-10795)
550.30	am	(P-4622; A-10795)
570.20	am	(P-4611; A-10785)
570.30	am	(P-4611; A-10785) (P-12038; A-18796)
570.40	am	(P-4611; A-10785)
590.10	am	(E-1658) (P-4554; A-16443)
590.20	am	(P-4554; A-16443) (E-18867)
590.25	am	(P-4554; A-16443)
	r	(E-18867)

590.26	am	(P-4554; A-16443)
	r	(E-18867)
590.30	am	(P-4554; A-16443)
590.40	am	(P-4554; A-16443)
590.50	am	(P-4554; A-16443)
590.60	am	(P-4554; A-16443)
		(E-18867)
590.70	n	(P-4554; A-16443)
650.20	am	(P-4718; A-13468)
650.21	am	(P-4718; A-13468)
650.22	am	(P-4718; A-13468)
650.30	am	(P-4718; A-13468)
650.40	am	(P-4718; A-13468)
650.50	am	(P-4718; A-13468)
650.60	am	(P-4718; A-13468)
650.65	n	(P-4718; A-13468)
660.20	am	(P-4742; A-10865)
660.22	n	(P-4742; A-10865)
660.30	am	(P-4742; A-10865)
660.40	am	(P-4742; A-10865)
660.45	am	(P-4742; A-10865)
660.50	am	(P-4742; A-10865)
660.60	am	(P-4742; A-10865)
670.10	am	(P-15265/92; A-286)
		(P-4698; A-13452)
670.20	am	(P-4698; A-13452)
670.30	am	(P-4698; A-13452)
670.40	am	(P-4698; A-13452)
670.50	am	(P-4698; A-13452)
670.60	am	(P-15265/92; A-286)
		(P-4698; A-13452)
680.10	am	(P-12055; A-18810)
680.20	am	(P-12055; A-18810)
680.40	am	(P-12055; A-18810)
680.50	am	(P-12055; A-18810)
680.80	am	(P-12055; A-18810)
690.30	am	(P-4672; A-10842)
710.5	n	(P-18927)
710.10	am	(P-18181/92; A-3184)
		(P-18927)
710.20	am	(P-18181/92; A-3184)
		(P-18927)
710.22	n	(P-18927)
710.25	#,am	(P-18927)
710.30	am	(P-18181/92; A-3184)
		(P-18927)
710.50	am	(P-18181/92; A-3184)
		(P-18927)
710.60	am	(P-18927)
715.10	am	(P-4689; A-10858)
715.20	am	(P-4689; A-10858)
715.21	n	(P-4689; A-10858)
715.40	am	(P-4689; A-10858)
720.10	am	(P-15260/92; A-281)
		(P-4680; A-10850)
720.20	am	(P-4680; A-10850)
720.40	am	(P-15260/92; A-281)
		(P-4680; A-10850)
730.10	am	(P-4539; A-10761)
730.20	am	(P-4539; A-10761)
730.30	am	(P-4539; A-10761)
740.10	am	(P-4757; A-10877)
740.20	am	(P-4757; A-10877)
810.10	am	(P-19785)
810.20	am	(P-17414/92; A-3853)
810.35	am	(P-17414/92; A-3853)
		(P-19785)
810.37	am	(P-17414/92; A-3853)
		(P-19785)
810.45	am	(P-17414/92; A-3853)
		(P-4636; A-10806)
		(E-5915) (P-19785)
810.60	am	(P-17414/92; A-3853)
810.70	am	(P-17414/92; A-3853)
		(P-19785)
830.10	am	(P-17405/92; A-3177)
830.20	am	(P-17405/92; A-3177)
830.40	am	(P-17405/92; A-3177)
830.80	am	(P-17405/92; A-3177)
830.90	am	(P-17405/92; A-3177)
850.20	am	(E-17263)
850.30	am	(E-17263)
950.40	am	(P-6390; A-13447)
950.50	am	(P-6390; A-13447)
1010.25	am	(P-16273)
1010.30	am	(P-16273)
1050.20	am	(P-4608; A-10781)
1050.25	am	(P-16285)
1050.30	am	(P-16285)
1050.40	am	(P-16285)
1070.10	am	(P-12041; A-18799)
1070.20	am	(P-12041; A-18799)
1070.30	am	(P-12041; A-18799)
1536.10	am	(P-8107; A-16421)
1536.25	am	(P-8107; A-16421)
1536.30	am	(P-8107; A-16421)

1536.40	am	(P-8107; A-16421)
1536.50	am	(P-8107; A-16421)
1536.60	am	(P-8107; A-16421)
1536.65	n	(P-8107; A-16421)
1536.70	am	(P-8107; A-16421)
1536.80	am	(P-8107; A-16421)
1536.90	am	(P-8107; A-16421)
2530.20		(CC-8089)
2735.30	am	(P-10252)
4000.110	am	(P-12005; C-16249)
4000.120	am	(P-12005; C-16249)
4000.130	am	(P-12005; C-16249)
4000.140	r	(P-12005; C-16249)
4000.150	am	(P-12005; C-16249)
4000.160	am	(P-12005; C-16249)
4000.165	n	(P-12005; C-16249)
4000.170	am	(P-12005; C-16249)
4000.210	am	(P-12005; C-16249)
4000.220	am	(P-12005; C-16249)
4000.230	r	(P-12005; C-16249)
4000.240	am	(P-12005; C-16249)
4000.250	am	(P-12005; C-16249)
4000.260	am	(P-12005; C-16249)
4000.270	am	(P-12005; C-16249)
4000.280	n	(P-12005; C-16249)
4000.310	r	(P-12005; C-16249)
4000.320	r	(P-12005; C-16249)
4000.410	r	(P-12005; C-16249)
4000.415	n	(P-12005; C-16249)
4000.420	r	(P-12005; C-16249)
4000.425	n	(P-12005; C-16249)
4000.430	r	(P-12005; C-16249)
4000.435	n	(P-12005; C-16249)
4000.440	am	(P-12005; C-16249)
4000.450	r	(P-12005; C-16249)
4000.460	am	(P-12005; C-16249)
4000.465	n	(P-12005; C-16249)
4000.470	r	(P-12005; C-16249)
4000.475	n	(P-12005; C-16249)
4000.510	r	(P-12005; C-16249)
4000.520	r	(P-12005; C-16249)
4000.530	r	(P-12005; C-16249)
4000.540	am	(P-12005; C-16249)
4000.550	am	(P-12005; C-16249)
4000.560	am	(P-12005; C-16249)
4000.570	am	(P-12005; C-16249)
4000.580	am	(P-12005; C-16249)
4000.610	r	(P-12005; C-16249)
4000.620	am	(P-12005; C-16249)
4180.120	am	(P-13718/92; A-1521)

TITLE 20

107.15	n	(P-19377)
107.17	n	(P-19377)
107.20	am	(P-19377)
107.105	n	(P-19377)
107.107	n	(P-19377)
107.120	am	(P-19377)
107.145	am	(E-16215) (P-19377)
107.205	n	(P-19377)
107.207	n	(P-19377)
107.210	am	(E-16215) (P-19377)
107.305	n	(P-19377)
107.307	n	(P-19377)
107.320	am	(P-19377)
107.330	am	(P-19377)
107.405	n	(P-19377)
107.410	am	(P-19377)
107.500	n	(E-16215) (P-19377)
107.505	n	(E-16215) (P-19377)
107.510	n	(E-16215) (P-19377)
107.520	n	(E-16215) (P-19377)
107.530	n	(E-16215) (P-19377)
107.540	n	(E-16215) (P-19377)
107.550	n	(E-16215) (P-19377)
107.560	n	(E-16215) (P-19377)
405.17	am	(E-16227) (P-19405)
405.20	am	(E-16227) (P-19405)
405.55	r	(E-16227) (P-19405)
420.30	am	(E-16208) (P-19367)
440.10	r	(P-16371/92; A-1519)
440.20	r	(P-16371/92; A-1519)
460.12	am	(E-16212) (P-19371)
460.20	am	(E-16212) (P-19371)
460.30	am	(P-19371)
460.80	am	(P-19371)
501.40	am	(P-8396)
501.60	am	(P-8396)
502.110	am	(P-6394; A-19479)
525.140	am	(PP-1666; RQ-9150; C-10013; EC-11903) (PP-8069)
1230.10	am	(P-7768; A-18856)
1230.20	am	(P-7768; A-18856)
1230.30	am	(P-7768; A-18856)
1230.40	#,n	(P-7768; A-18856)

1230.50	#,am	(P-7768; A-18856)
1230.60	n	(P-7768; A-18856)
1230.70	n	(P-7768; A-18856)
1230.80	n	(P-7768; A-18856)
1230.90	#, am	(P-7768; A-18856)
1230.100	n	(P-7768; A-18856)
1230.Ex.A	r	(P-7768; A-18856)
1230.Ex.B	r	(P-7768; A-18856)
1285.20	am	(P-13981)
1285.30	am	(P-13981)
1800.10	n	(P-20539)
1800.20	n	(P-20539)
1800.30	n	(P-20539)
1800.40	n	(P-20539)
1810.100	n	(P-20516)
1810.110	n	(P-20516)
1810.200	n	(P-20516)
1810.210	n	(P-20516)
1810.220	n	(P-20516)
1810.230	n	(P-20516)
1810.240	n	(P-20516)
1810.250	n	(P-20516)
1810.300	n	(P-20516)
1810.400	n	(P-20516)
1810.410	n	(P-20516)
1810.420	n	(P-20516)
1810.430	n	(P-20516)
1810.440	n	(P-20516)
1810.500	n	(P-20516)
1810.510	n	(P-20516)
1810.520	n	(P-20516)
1810.530	n	(P-20516)
1810.540	n	(P-20516)
1810.550	n	(P-20516)
1810.600	n	(P-20516)
1810.610	n	(P-20516)
1810.620	n	(P-20516)
1810.700	n	(P-20516)
1810.710	n	(P-20516)
1810.720	n	(P-20516)
1810.730	n	(P-20516)
1810.800	n	(P-20516)
1810.900	n	(P-20516)
1810.910	n	(P-20516)
1810.1000	n	(P-20516)
1810.1010	n	(P-20516)
1810.1020	n	(P-20516)
1810.1100	n	(P-20516)
1810.1110	n	(P-20516)

TITLE 23

1.10	am	(P-10079)
1.20	am	(P-10079)
1.30	am	(P-10079)
1.40	am	(P-10079)
1.50	am	(P-10079)
1.60	am	(P-10079)
1.70	am	(P-10079)
1.80	am	(P-10079)
1.90	n	(P-10079)
1.100	n	(P-10079)
.Ap.D	n	(P-10079)
.Ap.E	n	(P-10079)
.Ap.F	n	(P-10079)
.Ap.G	n	(P-10079)
1.736	n	(P-8684/92; A-18010/92; EC-3553)
110.20	am	(P-18283)
110.25	am	(P-18283)
110.40	am	(P-18283)
110.50	am	(P-18283)
110.90	am	(P-18283)
110.100	am	(P-18283)
110.110	am	(P-18283)
110.115	am	(P-18283)
110.120	n	(P-18283)
110.125	n	(P-18283)
110.135	n	(P-18283)
110.Tb.A	am	(P-18283)
110.Tb.B	am	(P-18283)
110.Tb.C	am	(P-18283)
110.Tb.D	am	(P-18283)
170.10	n	(P-18419)
170.20	n	(P-18419)
170.30	n	(P-18419)
170.40	n	(P-18419)
170.50	n	(P-18419)
210.10	r	(P-10061)
210.100	r	(P-10061)
210.110	r	(P-10061)
210.120	r	(P-10061)
210.130	r	(P-10061)
210.140	r	(P-10061)
210.150	r	(P-10061)
210.200	r	(P-10061)
210.210	r	(P-10061)

210.220	r	(P-10061)
226.525	am	(P-13231) (E-13622)
226.564	am	(P-18405)
226.640	am	(P-18405)
226.680	am	(P-18405)
226.688	am	(P-18405)
226.690	am	(P-18405)
228.15	n	(P-9253/92; A-104)
228.20	am	(P-9253/92; A-104)
228.25	n	(P-9253/92; A-104)
228.30	am	(P-9253/92; A-104)
228.50	am	(P-9253/92; A-104)
245.10	n	(P-10131)
245.20	n	(P-10131)
245.30	n	(P-10131)
245.40	n	(P-10131)
245.50	n	(P-10131)
245.60	n	(P-10131)
245.70	n	(P-10131)
451.220	am	(P-12062)
550.50	r	(PR-17611)
550.100	r	(PR-17611)
550.200	r	(PR-17611)
550.300	r	(PR-17611)
550.400	r	(PR-17611)
550.500	r	(PR-17611)
550.600	r	(PR-17611)
550.700	r	(PR-17611)
610.10	r	(PR-17603)
610.20	r	(PR-17603)
610.30	r	(PR-17603)
610.40	r	(PR-17603)
610.50	r	(PR-17603)
610.60	r	(PR-17603)
1020.10	am	(P-17639)
1020.40	am	(P-17639)
1020.50	am	(P-17639)
1501.518	n	(P-12274/92; A-1853)
1501.102	am	(P-6686)
1501.105	am	(P-6686)
1501.109	am	(P-6686)
1501.110	am	(P-6686)
1501.201	am	(P-6686)
1501.202	am	(P-6686)
1501.301	am	(P-6686)
1501.302	am	(P-6686)
1501.303	am	(P-11993)
1501.307	am	(P-6686)
1501.309	am	(P-6686)
1501.406	am	(P-6686)
1501.501	am	(P-6686)
1501.503	am	(P-6686)
1501.505	am	(P-6686)
1501.507	am	(P-6686)
1501.508	am	(P-11993)
1501.516	am	(P-6686)
1501.607	am	(P-6686)
1501.703	am	(P-6686)
2310.80	am	(P-1691; A-9680)
2700.20	am	(P-1385; A-10541)
2700.30	am	(P-1385; A-10541)
2700.40	am	(P-1385; A-10541)
2700.50	am	(P-1385; A-10541)
2700.55	am	(P-1385; A-10541)
2700.60	am	(P-1385; A-10541)
2700.70	am	(P-1385; A-10541)
2720.5	am	(P-1403; A-10506)
2720.6	am	(P-1403; A-10506)
2720.10	am	(P-1403; A-10506)
2720.20	am	(P-1403; A-10506)
2720.25	am	(P-1403; A-10506)
2720.30	am	(P-1403; A-10506)
2720.40	am	(P-1403; A-10506) (E-2055)
2720.41	am	(P-1403; A-10506)
2720.42	am	(P-1403; A-10506)
2720.50	am	(P-1403; A-10506)
2720.55	am	(P-1403; A-10506)
2720.60	am	(P-1403; A-10506)
2720.70	am	(P-1403; A-10506)
2720.80	am	(P-1403; A-10506)
2720.90	am	(P-1403; A-10506)
2720.105	am	(P-1403; A-10506)
2720.120	am	(P-1403; A-10506)
2720.130	am	(P-1403; A-10506)
2720.200	am	(P-1403; A-10506)
2720.210	am	(P-1403; A-10506)
2720.Ap.A	am	(P-1403; A-10506)
2730.5	am	(P-1437; A-10563)
2730.10	am	(P-1437; A-10563)
2730.20	am	(P-1437; A-10563)
2731.10	am	(P-1381; A-10559)
2731.20	am	(P-1381; A-10559)
2732.10	am	(P-1493; A-10620)
2732.20	am	(P-1493; A-10620)
2733.10	am	(P-1444; A-10570)

2733.20	am	(P-1444; A-10570)
2733.30	am	(P-1444; A-10570)
2735.10	am	(P-1470; A-10596)
2735.20	am	(P-1470; A-10596)
2735.30	am	(P-1470; A-10596)
		(E-6672)
2735.40	am	(P-1470; A-10596)
2735.50	am	(P-1470; A-10596)
2735.60	am	(P-1470; A-10596)
2735.70	am	(P-1470; A-10596)
2735.80	am	(P-1470; A-10596)
2735.100	am	(P-1470; A-10596)
2760.5	am	(P-1497; A-10624)
2760.10	am	(P-1497; A-10624)
2760.30	am	(P-1497; A-10624)
2760.40	am	(P-1497; A-10624)
2761.10	am	(P-1453; A-10579)
2761.20	am	(P-1453; A-10579)
2761.30	am	(P-1453; A-10579)
2762.10	am	(P-1484; A-10611)
2762.20	am	(P-1484; A-10611)
2762.30	am	(P-1484; A-10611)
2762.40	am	(P-1484; A-10611)
2763.10	am	(P-1459; A-10585)
2763.20	am	(E-175)
		(P-1459; A-10585)
2763.30	am	(P-1459; A-10585)
2763.40	am	(P-1459; A-10585)
2763.50	am	(P-1459; A-10585)
2770.10	am	(P-1505; A-10632)
2770.20	am	(P-1505; A-10632)
2770.30	am	(P-1505; A-10632)
3030.10	am	(P-9678) (E-9725)
		(P-19072)
3030.20	am	(P-19072)
3030.25	am	(P-19072)
3030.35	am	(P-19072)
3030.45	r	(P-19072)
3030.55	r	(P-19072)
3030.65	am	(P-19072)
3030.70	r	(P-19072)
3030.75	am	(P-19072)
3030.80	am	(P-19072)
3030.85	am	(P-19072)
3030.90	am	(P-19072)
3030.100	am	(P-19072)
3030.105	am	(P-9678) (E-9725)
		(P-12277) (E-12449)
		(P-19072)
3030.110	am	(P-19072)
3030.121	n	(P-19072)
3030.122	n	(P-19072)
3030.123	n	(P-19072)
3030.124	n	(P-19072)
3030.125	#,n	(P-19072)
3030.126	n	(P-19072)
3030.127	n	(P-19072)
3030.128	n	(P-19072)
3030.129	n	(P-19072)
3030.130	am	(P-19072)
3030.135	#	(P-19072)
3040.100	am	(P-958; A-7234)
3040.110	am	(P-958; A-7234)
3040.120	am	(P-958; A-7234)
3040.130	am	(P-958; A-7234)
3040.140	am	(P-958; A-7234)
3040.150	am	(P-958; A-7234)
3040.160	am	(P-958; A-7234)
3040.170	am	(P-958; A-7234)
3040.200	am	(P-958; A-7234)
3040.210	am	(P-958; A-7234)
3040.220	am	(P-958; A-7234)
3040.230	am	(P-958; A-7234)
3040.240	am	(P-958; A-7234)
3040.250	am	(P-958; A-7234)
3040.260	am	(P-958; A-7234)
3040.300	n	(P-18441)
3040.310	n	(P-18441)
3040.320	n	(P-18441)
3040.330	n	(P-18441)
3060.100	am	(P-18445) (E-18687)
3060.200	am	(P-18445) (E-18687)
3060.400	am	(P-18445) (E-18687)
3060.500	am	(P-18445) (E-18687)
3060.600	am	(P-18445) (E-18687)
3060.800	am	(P-18445) (E-18687)
3060.900	am	(P-18445) (E-18687)
3060.1000	am	(P-18445) (E-18687)
3060.2000	am	(P-18445) (E-18687)
3070.100	am	(P-19460)
3070.110	am	(P-19460)
3070.120	am	(P-19460)
3070.130	am	(P-19460)
3070.140	am	(P-19460)
3070.150	am	(P-19460)
3070.160	am	(P-19460)

3070.170	am	(P-19460)

TITLE 26

100.10	am	(P-14333)
100.70	am	(P-14333)
100.110	n	(P-14333)
207.120	n	(P-14342)
207.130	n	(P-14342)
207.Ap.A	am	(P-14342)

TITLE 29

300.10	r	(P-13865)
300.20	r	(P-13865)
300.30	r	(P-13865)
300.40	r	(P-13865)
300.50	r	(P-13865)
300.60	r	(P-13865)
300.70	r	(P-13865)
300.80	r	(P-13865)
510.10	r	(P-13875)
510.20	r	(P-13875)
510.30	r	(P-13875)
510.40	r	(P-13875)
510.50	r	(P-13875)
1300.10	n	(P-13856)
1300.20	n	(P-13856)
1300.30	n	(P-13856)
1300.40	n	(P-13856)
1300.50	n	(P-13856)
1300.60	n	(P-13856)
1310.10	n	(P-13843)
1310.20	n	(P-13843)
1310.30	n	(P-13843)
1310.40	n	(P-13843)
1310.50	n	(P-13843)

TITLE 32

310.10	am	(P-3787; A-18472)
310.20	am	(P-3787; A-18472)
310.80	am	(P-3787; A-18472)
310.81	am	(P-3787; A-18472)
310.82	am	(P-3787; A-18472)
310.100	am	(P-3787; A-18472)
310.130	r	(P-3787; A-18472)
310.140	n	(P-3787; A-18472)
310.150	n	(P-3787; A-18472)
310.Ap.C	r	(P-3787; A-18472)
320.10	am	(P-8693)
320.30	am	(P-8693)
320.40	am	(P-8693)
330.10	am	(P-14417)
330.15	n	(P-14417)
330.30	am	(P-14417)
330.40	am	(P-14417)
330.200	am	(P-14417)
330.210	am	(P-14417)
330.220	am	(P-14417)
330.240	am	(P-14417)
330.250	am	(P-14417)
330.260	am	(P-14417)
330.270	am	(P-14417)
330.280	am	(P-14417)
330.300	am	(P-14417)
330.310	am	(P-14417)
330.320	am	(P-14417)
330.400	am	(P-14417)
330.900	am	(P-14417)
330.Ap.A	am	(P-14417)
330.Ap.B	am	(P-14417)
330.Ap.D	am	(P-14417)
330.Ap.G	am	(P-14417)
330.Ap.H	am	(P-14417)
332.170	am	(P-10701)
333.10	n	(P-9797)
333.20	n	(P-9797)
333.30	n	(P-9797)
333.40	n	(P-9797)
333.50	n	(P-9797)
333.60	n	(P-9797)
335.10	am	(P-20122)
335.15	n	(P-20122)
335.20	am	(P-20122)
335.30	am	(P-20122)
335.40	am	(P-20122)
335.1010	am	(P-20122)
335.1020	am	(P-20122)
335.1030	am	(P-20122)
335.1040	am	(P-20122)
335.1050	am	(P-20122)
335.1060	am	(P-20122)
335.1070	am	(P-20122)
335.1080	am	(P-20122)
335.1090	am	(P-20122)
335.2010	am	(P-20122)
335.2020	am	(P-20122)

335.2030	am	(P-20122)
335.2040	am	(P-20122)
335.2050	am	(P-20122)
335.2060	am	(P-20122)
335.2070	am	(P-20122)
335.2080	am	(P-20122)
335.2090	am	(P-20122)
335.2100	am	(P-20122)
335.2110	am	(P-20122)
335.2120	am	(P-20122)
335.2130	am	(P-20122)
335.3010	am	(E-9099) (P-20122)
335.4010	am	(E-9099) (P-20122)
335.4020	am	(P-20122)
335.4030	am	(P-20122)
335.5010	am	(P-20122)
335.5020	am	(P-20122)
335.5030	am	(P-20122)
335.7010	am	(P-20122)
335.7020	am	(P-20122)
335.7030	am	(P-20122)
335.7040	am	(P-20122)
335.7050	am	(P-20122)
335.8010	am	(P-20122)
335.8020	am	(P-20122)
335.8030	am	(P-20122)
335.8040	am	(P-20122)
335.8050	am	(P-20122)
335.8060	am	(P-20122)
335.8080	am	(P-20122)
335.8090	am	(P-20122)
335.8100	am	(P-20122)
335.8110	am	(P-20122)
335.8120	am	(P-20122)
335.8130	am	(P-20122)
335.8140	am	(P-20122)
335.8150	am	(P-20122)
335.9010	am	(P-20122)
335.9020	am	(P-20122)
335.9030	am	(P-20122)
335.9040	am	(P-20122)
335.9050	am	(P-20122)
335.9060	am	(P-20122)
335.9070	am	(P-20122)
335.9080	am	(P-20122)
335.9090	am	(P-20122)
335.9100	am	(P-20122)
335.9120	am	(P-20122)
335.9130	am	(P-20122)
335.9140	am	(P-20122)
335.9150	am	(P-20122)
335.9160	am	(P-20122)
335.9170	am	(P-20122)
335.9180	am	(P-20122)
340.10	n	(P-4070; A-18507)
340.20	n	(P-4070; A-18507)
340.30	n	(P-4070; A-18507)
340.40	n	(P-4070; A-18507)
340.110	n	(P-4070; A-18507)
340.210	n	(P-4070; A-18507)
340.220	n	(P-4070; A-18507)
340.230	n	(P-4070; A-18507)
340.240	n	(P-4070; A-18507)
340.250	n	(P-4070; A-18507)
340.260	n	(P-4070; A-18507)
340.270	n	(P-4070; A-18507)
340.280	n	(P-4070; A-18507)
340.310	n	(P-4070; A-18507)
340.320	n	(P-4070; A-18507)
340.410	n	(P-4070; A-18507)
340.510	n	(P-4070; A-18507)
340.520	n	(P-4070; A-18507)
340.530	n	(P-4070; A-18507)
340.610	n	(P-4070; A-18507)
340.620	n	(P-4070; A-18507)
340.630	n	(P-4070; A-18507)
340.710	n	(P-4070; A-18507)
340.720	n	(P-4070; A-18507)
340.730	n	(P-4070; A-18507)
340.810	n	(P-4070; A-18507)
340.910	n	(P-4070; A-18507)
340.920	n	(P-4070; A-18507)
340.930	n	(P-4070; A-18507)
340.940	n	(P-4070; A-18507)
340.950	n	(P-4070; A-18507)
340.960	n	(P-4070; A-18507)
340.1000	r	(P-3997; A-18505)
340.1010	r	(P-3997; A-18505)
340.1010	n	(P-4070; A-18507)
340.1020	r	(P-3997; A-18505)
340.1020	n	(P-4070; A-18507)
340.1030	r	(P-3997; A-18505)
340.1030	n	(P-4070; A-18507)
340.1040	r	(P-3997; A-18505)
340.1040	n	(P-4070; A-18507)
340.1050	r	(P-3997; A-18505)

340.1050	n	(P-4070; A-18507)
340.1052	n	(P-4070; A-18507)
340.1055	n	(P-4070; A-18507)
340.1057	n	(P-4070; A-18507)
340.1060	r	(P-3997; A-18505)
340.1060	n	(P-4070; A-18507)
340.1070	r	(P-3997; A-18505)
340.1070	n	(P-4070; A-18507)
340.1110	n	(P-4070; A-18507)
340.1120	n	(P-4070; A-18507)
340.1130	n	(P-4070; A-18507)
340.1135	n	(P-4070; A-18507)
340.1140	n	(P-4070; A-18507)
340.1150	n	(P-4070; A-18507)
340.1160	n	(P-4070; A-18507)
340.1170	n	(P-4070; A-18507)
340.1180	n	(P-4070; A-18507)
340.1190	n	(P-4070; A-18507)
340.1195	n	(P-4070; A-18507)
340.1210	n	(P-4070; A-18507)
340.1220	n	(P-4070; A-18507)
340.1230	n	(P-4070; A-18507)
340.1240	n	(P-4070; A-18507)
340.1250	n	(P-4070; A-18507)
340.1270	n	(P-4070; A-18507)
340.1310	n	(P-4070; A-18507)
340.1320	n	(P-4070; A-18507)
340.2010	r	(P-3997; A-18505)
340.2020	r	(P-3997; A-18505)
340.2030	r	(P-3997; A-18505)
340.2040	r	(P-3997; A-18505)
340.2050	r	(P-3997; A-18505)
340.2060	r	(P-3997; A-18505)
340.2070	r	(P-3997; A-18505)
340.3010	r	(P-3997; A-18505)
340.3020	r	(P-3997; A-18505)
340.3030	r	(P-3997; A-18505)
340.3040	r	(P-3997; A-18505)
340.3050	r	(P-3997; A-18505)
340.3060	r	(P-3997; A-18505)
340.3070	r	(P-3997; A-18505)
340.3080	r	(P-3997; A-18505)
340.3090	r	(P-3997; A-18505)
340.3110	r	(P-3997; A-18505)
340.4010	r	(P-3997; A-18505)
340.4020	r	(P-3997; A-18505)
340.4030	r	(P-3997; A-18505)
340.4050	r	(P-3997; A-18505)
340.4070	r	(P-3997; A-18505)
340.4080	r	(P-3997; A-18505)
340.4090	r	(P-3997; A-18505)
340.Ap.A	r	(P-3997; A-18505)
	n	(P-4070; A-18507)
.Il.A	n	(P-4070; A-18507)
340.Ap.B	r	(P-3997; A-18505)
340.Ap.C	r	(P-3997; A-18505)
.Il.A	r	(P-3997; A-18505)
341.10	am	(P-13933)
341.15	n	(P-13933)
341.20	am	(P-13933)
341.40	am	(P-13933)
341.50	am	(P-13933)
341.60	am	(P-13933)
341.70	am	(P-13933)
341.80	am	(P-13933)
341.90	am	(P-13933)
341.100	am	(P-13933)
341.110	am	(P-13933)
341.120	am	(P-13933)
341.140	am	(P-13933)
341.150	am	(P-13933)
341.160	am	(P-13933)
341.170	am	(P-13933)
341.180	am	(P-13933)
341.190	am	(P-13933)
341.200	am	(P-13933)
341.Ap.A	r	(P-13933)
341.Tb.A	r	(P-13933)
341.Tb.B	r	(P-13933)
341.Tb.C	r	(P-13933)
341.Tb.D	r	(P-13933)
350.10	am	(P-13882)
350.20	am	(P-13882)
350.25	n	(P-13882)
350.30	am	(P-13882)
350.40	n	(P-13882)
350.50	n	(P-13882)
350.1000	n	(P-13882)
350.1005	n	(P-13882)
350.1010	am	(P-13882)
350.1020	am	(P-13882)
350.1030	am	(P-13882)
350.1040	am	(P-13882)
350.1050	am	(P-13882)
350.1060	am	(P-13882)
350.1070	am	(P-13882)

350.1080	am	(P-13882)
350.1090	am	(P-13882)
350.2010	am	(P-13882)
350.2020	am	(P-13882)
350.2030	am	(P-13882)
350.2040	am	(P-13882)
350.3010	am	(P-13882)
350.3020	am	(P-13882)
350.3030	am	(P-13882)
350.3040	am	(P-13882)
350.3045	n	(P-13882)
350.3048	n	(P-13882)
350.3050	am	(P-13882)
350.3060	r	(P-13882)
350.3070	r	(P-13882)
350.3080	r	(P-13882)
350.3090	n	(P-13882)
350.4000	n	(P-13882)
350.4010	n	(P-13882)
350.4020	n	(P-13882)
350.4030	n	(P-13882)
350.Ap.A	am	(P-13882)
350.Ap.B	n	(P-13882)
350.Ap.C	n	(P-13882)
351.10	am	(P-8674)
351.40	am	(P-8674)
351.1010	am	(P-8674)
351.1040	am	(P-8674)
351.1050	am	(P-8674)
351.1060	am	(P-8674)
351.1070	am	(P-8674)
351.1080	am	(P-8674)
351.1090	am	(P-8674)
351.1100	am	(P-8674)
351.2010	am	(P-8674)
351.2020	am	(P-8674)
351.2030	am	(P-8674)
351.3030	am	(P-8674)
351.3040	am	(P-8674)
351.4010	am	(P-8674)
351.4020	am	(P-8674)
351.4030	am	(P-8674)
351.5010	am	(P-8674)
351.Ap.B	am	(P-8674)
360.10	am	(P-19493/92; A-17972)
360.20	am	(P-19493/92; A-17972)
360.30	am	(P-19493/92; A-17972)
360.40	am	(P-19493/92; A-17972)
360.41	n	(P-19493/92; A-17972)
360.50	am	(P-19493/92; A-17972)
360.60	am	(P-19493/92; A-17972)
360.70	r	(P-19493/92; A-17972)
360.71	am	(P-19493/92; A-17972)
360.75	n	(P-19493/92; A-17972)
360.80	r	(P-19493/92; A-17972)
360.90	am	(P-19493/92; A-17972)
360.100	am	(P-19493/92; A-17972)
360.110	am	(P-19493/92; A-17972)
360.120	am	(P-19493/92; A-17972)
360.Ap.A	am	(P-19493/92; A-17972)
360.Ap.B	am	(P-19493/92; A-17972)
360.Ap.C	n	(P-19493/92; A-17972)
360.Ap.D	n	(P-19493/92; A-17972)
360.Ap.E	n	(P-19493/92; A-17972)
360.II.B	r	(P-19493/92; A-17972)
360.Tb.A	n	(P-19493/92; A-17972)
360.Tb.B	am	(P-19493/92; A-17972)
360.Tb.C	r	(P-19493/92; A-17972)
390.20	am	(P-8666)
390.30	am	(P-8666)
390.40	am	(P-8666)
390.50	am	(P-8666)
390.60	am	(P-8666)
390.70	am	(P-8666)
400.10	am	(P-8655)
400.110	am	(P-8655)
400.120	am	(P-8655)
400.130	am	(P-8655)
400.140	am	(P-8655)
400.150	am	(P-8655)
400.160	am	(P-8655)
410.10	am	(P-19473/92; A-17953)
410.20	am	(P-19473/92; A-17953)
410.30	am	(P-19473/92; A-17953)
410.35	n	(P-19473/92; A-17953)
410.40	am	(P-19473/92; A-17953)
410.50	am	(P-19473/92; A-17953)
410.60	am	(P-19473/92; A-17953)
410.70	am	(P-19473/92; A-17953)
410.II.A	r	(P-19473/92; A-17953)
410.II.B	r	(P-19473/92; A-17953)
505.10	n	(P-15220) (E-15667)
505.20	n	(P-15220) (E-15667)
505.30	n	(P-15220) (E-15667)
505.40	n	(P-15220) (E-15667)
505.50	n	(P-15220) (E-15667)

505.60	n	(P-15220) (E-15667)
505.70	n	(P-15220) (E-15667)
505.80	n	(P-15220) (E-15667)
505.82	n	(P-15220) (E-15667)
505.84	n	(P-15220) (E-15667)
505.86	n	(P-15220) (E-15667)
505.90	n	(P-15220) (E-15667)
505.100	n	(P-15220) (E-15667)
505.110	n	(P-15220) (E-15667)
505.120	n	(P-15220) (E-15667)
505.130	n	(P-15220) (E-15667)
505.140	n	(P-15220) (E-15667)
505.150	n	(P-15220) (E-15667)
505.160	n	(P-15220) (E-15667)
505.170	n	(P-15220) (E-15667)
505.180	n	(P-15220) (E-15667)
505.190	n	(P-15220) (E-15667)
505.1000	n	(P-15220) (E-15667)
505.1100	n	(P-15220) (E-15667)
505.1200	n	(P-15220) (E-15667)
505.1300	n	(P-15220) (E-15667)
505.1400	n	(P-15220) (E-15667)
505.1500	n	(P-15220) (E-15667)
505.1600	n	(P-15220) (E-15667)
505.1700	n	(P-15220) (E-15667)
505.1800	n	(P-15220) (E-15667)
505.1900	n	(P-15220) (E-15667)
505.2000	n	(P-15220) (E-15667)
505.2100	n	(P-15220) (E-15667)
505.2200	n	(P-15220) (E-15667)
505.2300	n	(P-15220) (E-15667)
505.2400	n	(P-15220) (E-15667)
505.2500	n	(P-15220) (E-15667)
505.2600	n	(P-15220) (E-15667)
505.2700	n	(P-15220) (E-15667)
505.2800	n	(P-15220) (E-15667)
505.2900	n	(P-15220) (E-15667)

TITLE 35

105.102	am	(P-16366)
106.910	n	(P-16355)
106.911	n	(P-16355)
106.912	n	(P-16355)
106.913	n	(P-16355)
106.914	n	(P-16355)
106.915	n	(P-16355)
106.916	n	(P-16355)
106.920	n	(P-16355)
106.921	n	(P-16355)
106.922	n	(P-16355)
106.923	n	(P-16355)
106.924	n	(P-16355)
106.925	n	(P-16355)
183.105	am	(P-12659/92; A-12319)
183.110	am	(P-12659/92; A-12319)
183.115	am	(P-12659/92; A-12319)
183.120	am	(P-12659/92; A-12319)
183.125	am	(P-12659/92; A-12319)
183.130	am	(P-12659/92; A-12319)
183.131	n	(P-12659/92; A-12319)
183.132	n	(P-12659/92; A-12319)
183.133	n	(P-12659/92; A-12319)
183.134	n	(P-12659/92; A-12319)
183.135	am	(P-12659/92; A-12319)
183.140	am	(P-12659/92; A-12319)
183.145	am	(P-12659/92; A-12319)
183.150	am	(P-12659/92; A-12319)
183.160	am	(P-12659/92; A-12319)
183.170	r	(P-12659/92; A-12319)
183.210	am	(P-12659/92; A-12319)
183.215	am	(P-12659/92; A-12319)
183.220	am	(P-12659/92; A-12319)
183.225	am	(P-12659/92; A-12319)
183.230	am	(P-12659/92; A-12319)
183.231	n	(P-12659/92; A-12319)
183.235	am	(P-12659/92; A-12319)
183.240	am	(P-12659/92; A-12319)
183.245	am	(P-12659/92; A-12319)
183.250	am	(P-12659/92; A-12319)
183.255	am	(P-12659/92; A-12319)
183.310	am	(P-12659/92; A-12319)
183.315	am	(P-12659/92; A-12319)
183.320	am	(P-12659/92; A-12319)
183.325	am	(P-12659/92; A-12319)
183.330	am	(P-12659/92; A-12319)
183.335	am	(P-12659/92; A-12319)
183.340	am	(P-12659/92; A-12319)
183.345	am	(P-12659/92; A-12319)
183.350	am	(P-12659/92; A-12319)
183.355	am	(P-12659/92; A-12319)
183.360	am	(P-12659/92; A-12319)
183.365	am	(P-12659/92; A-12319)
183.370	am	(P-12659/92; A-12319)
183.406	n	(P-12659/92; A-12319)
183.410	am	(P-12659/92; A-12319)
183.415	am	(P-12659/92; A-12319)

183.420	am	(P-12659/92; A-12319)
183.425	am	(P-12659/92; A-12319)
183.430	am	(P-12659/92; A-12319)
183.435	am	(P-12659/92; A-12319)
183.440	am	(P-12659/92; A-12319)
183.445	am	(P-12659/92; A-12319)
183.450	am	(P-12659/92; A-12319)
183.Ap.A	am	(P-12659/92; A-12319)
183.Ap.B	n	(P-12659/92; A-12319)
190.		See 35-183
195.		See 35-183
201.162	am	(P-13371)
201.163	am	(P-13371)
201.180	am	(P-13371)
201.181	am	(P-13371)
201.187	am	(P-13371)
203.101	am	(P-18919/92; A-6973)
203.107	am	(P-18919/92; A-6973)
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203.122	#	(P-18919/92; A-6973)
203.123	#	(P-18919/92; A-6973)
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203.128	am	(P-18919/92; A-6973)
203.145	r	(P-4898; A-16630)
203.150	am	(P-18919/92; A-6973)
203.201	am	(P-18919/92; A-6973)
203.203	am	(P-18919/92; A-6973)
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203.207	am	(P-18919/92; A-6973)
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203.303	am	(P-18919/92; A-6973)
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211.150	n	(P-4782; A-16504)
211.170	n	(P-4782; A-16504)
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211.230	n	(P-4782; A-16504)
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211.3370	n	(P-4782; A-16504)	211.4350	n	(P-4782; A-16504)
211.3390	n	(P-4782; A-16504)	211.4370	n	(P-4782; A-16504)
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211.3470	n	(P-4782; A-16504)	211.4450	n	(P-4782; A-16504)
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211.3630	n	(P-4782; A-16504)	211.4630	n	(P-4782; A-16504)
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211.3670	n	(P-4782; A-16504)	211.4670	n	(P-4782; A-16504)
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211.3750	n	(P-4782; A-16504)	211.4750	n	(P-4782; A-16504)
211.3770	n	(P-4782; A-16504)	211.4770	n	(P-4782; A-16504)
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211.3810	n	(P-4782; A-16504)	211.4810	n	(P-4782; A-16504)
211.3830	n	(P-4782; A-16504)	211.4830	n	(P-12491)
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211.3910	n	(P-4782; A-16504)	211.4910	n	(P-4782; A-16504)
211.3930	n	(P-4782; A-16504)	211.4930	n	(P-4782; A-16504)
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211.4190	n	(P-4782; A-16504)	211.5190	n	(P-4782; A-16504)

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211.5230	n	(P-4782; A-16504)	211.6170	n	(P-12491)
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211.5290	n	(P-4782; A-16504)	211.6230	n	(P-4782; A-16504)
211.5310	n	(P-4782; A-16504)	211.6250	n	(P-12491)
211.5330	n	(P-4782; A-16504)	211.6270	n	(P-4782; A-16504)
211.5350	n	(P-4782; A-16504)	211.6290	n	(P-4782; A-16504)
211.5370	n	(P-4782; A-16504)	211.6310	n	(P-4782; A-16504)
211.5390	n	(P-12491)	211.6330	n	(P-4782; A-16504)
211.5410	n	(P-4782; A-16504)	211.6350	n	(P-4782; A-16504)
211.5430	n	(P-4782; A-16504)	211.6370	n	(P-4782; A-16504)
211.5450	n	(P-4782; A-16504)	211.6390	n	(P-4782; A-16504)
211.5470	n	(P-4782; A-16504)	211.6410	n	(P-4782; A-16504)
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211.5530	n	(P-12491)	211.6490	n	(P-4782; A-16504)
211.5550	n	(P-4782; A-16504)	211.6510	n	(P-4782; A-16504)
211.5570	n	(P-4782; A-16504)	211.6530	n	(P-4782; A-16504)
211.5590	n	(P-4782; A-16504)	211.6550	n	(P-4782; A-16504)
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211.5650	n	(P-4782; A-16504)	211.6610	n	(P-4782; A-16504)
211.5670	n	(P-4782; A-16504)	211.6630	n	(P-12491)
211.5690	n	(P-4782; A-16504)	211.6650	n	(P-12491)
211.5710	n	(P-4782; A-16504)	211.6670	n	(P-4782; A-16504)
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211.5750	n	(P-4782; A-16504)	211.6710	n	(P-12491)
211.5770	n	(P-4782; A-16504)	211.6730	n	(P-4782; A-16504)
211.5790	n	(P-4782; A-16504)	211.6750	n	(P-4782; A-16504)
211.5810	n	(P-4782; A-16504)	211.6770	n	(P-4782; A-16504)
211.5830	n	(P-4782; A-16504)	211.6790	n	(P-4782; A-16504)
211.5850	n	(P-4782; A-16504)	211.6810	n	(P-4782; A-16504)
211.5870	n	(P-4782; A-16504)	211.6830	n	(P-12491)
211.5890	n	(P-4782; A-16504)	211.6850	n	(P-4782; A-16504)
211.5910	n	(P-4782; A-16504)	211.6870	n	(P-4782; A-16504)
211.5930	n	(P-4782; A-16504)	211.6890	n	(P-4782; A-16504)
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211.5970	n	(P-4782; A-16504)	211.6930	n	(P-4782; A-16504)
211.5990	n	(P-4782; A-16504)	211.6950	n	(P-4782; A-16504)
211.6010	n	(P-4782; A-16504)	211.6970	n	(P-4782; A-16504)
211.6030	n	(P-4782; A-16504)	211.6990	n	(P-4782; A-16504)
211.6050	n	(P-4782; A-16504)	211.7010	n	(P-4782; A-16504)
211.6070	n	(P-4782; A-16504)	211.7030	n	(P-4782; A-16504)
211.6090	n	(P-4782; A-16504)	211.7050	n	(P-12491)
211.6110	n	(P-12491)	211.7070	n	(P-4782; A-16504)
211.6130	n	(P-4782; A-16504)	211.7090	n	(P-4782; A-16504)

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211.7110	n	(P-4782; A-16504)
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211.7170	n	(P-4782; A-16504)
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211.7310	n	(P-4782; A-16504)
211.7330	n	(P-4782; A-16504)
211.7350	n	(P-4782; A-16504)
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218.101	r	(P-4905; A-16636)
218.101	n	(P-4905; A-16636)
218.102	am	(P-4905; A-16636)
218.103	am	(P-4905; A-16636)
218.104	am	(P-4905; A-16636)
218.105	am	(P-4905; A-16636)
218.106	am	(P-4905; A-16636)
		(P-12508)
218.107	am	(P-4905; A-16636)
218.108	am	(P-12508)
218.109	am	(P-4905; A-16636)
218.110	am	(P-4905; A-16636)
218.111	am	(P-4905; A-16636)
218.112	am	(P-4905; A-16636)
		(P-12508)
218.113	n	(P-12508)
218.121	am	(P-4905; A-16636)
218.122	am	(P-4905; A-16636)
218.123	am	(P-4905; A-16636)
218.124	am	(P-4905; A-16636)
218.125	r	(P-4905; A-16636)
218.126	r	(P-4905; A-16636)
218.141	am	(P-4905; A-16636)
218.143	am	(P-4905; A-16636)
218.144	am	(P-4905; A-16636)
218.181	am	(P-4905; A-16636)
218.182	am	(P-4905; A-16636)
218.183	am	(P-4905; A-16636)
218.184	am	(P-4905; A-16636)
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218.186	am	(P-4905; A-16636)
218.204	am	(P-4905; A-16636)
218.205	am	(P-4905; A-16636)
218.206	am	(P-4905; A-16636)
218.207	am	(P-4905; A-16636)
218.208	am	(P-4905; A-16636)
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218.210	am	(P-4905; A-16636)
218.211	am	(P-4905; C-6520; A-16636)
218.301	am	(P-4905; C-6520; A-16636)
218.302	am	(P-4905; C-6520; A-16636)
218.303	am	(P-4905; C-6520; A-16636)
218.304	am	(P-4905; C-6520; A-16636)
218.401	am	(P-4905; C-6520; A-16636)
218.402	am	(P-4905; A-16636) (P-12508)
218.403	am	(P-4905; A-16636)
218.404	am	(P-4905; A-16636)
218.405	am	(P-4905; A-16636)
218.421	am	(P-4905; A-16636)
218.422	am	(P-4905; A-16636)
218.423	am	(P-4905; A-16636)
218.424	am	(P-4905; A-16636)
218.425	am	(P-4905; A-16636)
218.426	am	(P-4905; A-16636)
218.427	am	(P-4905; A-16636)
218.428	am	(P-4905; A-16636)
218.429	am	(P-4905; A-16636)
218.430	r	(P-4905; A-16636)
218.441	am	(P-4905; A-16636)
218.443	am	(P-4905; A-16636)
218.445	am	(P-4905; A-16636)
218.446	am	(P-4905; A-16636)
218.447	am	(P-4905; A-16636)
218.449	am	(P-4905; A-16636)
218.450	am	(P-4905; A-16636)
218.452	am	(P-4905; A-16636)
218.453	r	(P-4905; A-16636)
218.461	am	(P-4905; A-16636)
218.462	am	(P-4905; A-16636)
218.463	am	(P-4905; A-16636)
218.464	am	(P-4905; A-16636)
218.465	r	(P-4905; A-16636)
218.466	r	(P-4905; A-16636)
218.480	am	(P-4905; A-16636)
218.481	am	(P-4905; A-16636)

218.482	am	(P-4905; A-16636)
218.483	am	(P-4905; A-16636)
218.485	am	(P-4905; A-16636)
218.486	am	(P-4905; A-16636)
218.487	am	(P-4905; A-16636)
218.489	am	(P-4905; A-16636)
218.521	r	(P-4905; A-16636)
218.525	am	(P-4905; A-16636)
218.527	r	(P-4905; A-16636)
218.541	am	(P-4905; A-16636)
218.562	am	(P-4905; A-16636)
218.581	am	(P-4905; A-16636)
218.582	am	(P-4905; A-16636)
218.583	am	(P-4905; A-16636)
218.584	am	(P-4905; A-16636)
218.585	am	(P-4905; A-16636)
218.586	am	(P-4905; A-16636)
218.601	am	(P-4905; A-16636)
218.602	am	(P-4905; A-16636) (P-12508)
218.603	am	(P-4905; A-16636)
218.604	r	(P-4905; A-16636)
218.605	r	(P-4905; A-16636)
218.606	r	(P-4905; A-16636)
218.608	am	(P-4905; A-16636)
218.609	am	(P-4905; A-16636)
218.610	am	(P-4905; A-16636)
218.611	am	(P-4905; A-16636) (P-12508)
218.612	r	(P-4905; A-16636)
218.613	r	(P-4905; A-16636)
218.620	am	(P-4905; A-16636) (P-12508)
218.621	am	(P-4905; A-16636)
218.623	am	(P-4905; A-16636)
	r	(P-12508)
218.624	am	(P-4905; A-16636)
218.628	am	(P-4905; A-16636)
218.636	am	(P-4905; A-16636)
218.637	am	(P-4905; A-16636)
218.640	#	(P-4905; A-16636)
218.640	am	(P-4905; A-16636)
218.642	#	(P-4905; A-16636)
218.644	#	(P-4905; A-16636)
218.644	am	(P-4905; A-16636)
218.660	n	(P-12508)
218.666	n	(P-12508)
218.667	n	(P-12508)
218.668	n	(P-12508)
218.670	n	(P-12508)
218.672	n	(P-12508)
218.680	n	(P-12508)
218.686	n	(P-12508)
218.688	n	(P-12508)
218.690	n	(P-12508)
218.692	n	(P-12508)
218.875	#	(P-4905; A-16636)
218.877	#	(P-4905; A-16636)
218.879	r	(P-4905; A-16636)
218.881	r	(P-4905; A-16636)
218.883	r	(P-4905; A-16636)
218.886	#	(P-4905; A-16636)
218.920	am	(P-4905; A-16636) (P-12508)
218.923	am	(P-4905; A-16636)
	r	(P-12508)
218.926	am	(P-4905; A-16636) (P-12508)
218.927	am	(P-4905; A-16636)
218.928	am	(P-4905; A-16636)
218.940	am	(P-4905; A-16636) (P-12508)
218.943	am	(P-4905; A-16636)
	r	(P-12508)
218.946	am	(P-4905; A-16636) (P-12508)
218.947	am	(P-4905; A-16636)
218.948	am	(P-4905; A-16636)
218.960	am	(P-4905; A-16636) (P-12508)
218.963	am	(P-4905; A-16636)
	r	(P-12508)
218.966	am	(P-4905; A-16636) (P-12508)
218.967	am	(P-4905; A-16636)
218.968	am	(P-4905; A-16636)
218.980	am	(P-4905; A-16636) (P-12508)
218.983	am	(P-4905; A-16636)
	r	(P-12508)
218.986	am	(P-4905; A-16636) (P-12508)
218.987	am	(P-4905; A-16636)
218.988	am	(P-4905; A-16636)
218.990	am	(P-4905; A-16636)

218.991	am	(P-4905; A-16636) (P-12508)
218.Ap.A	am	(P-4905; A-16636)
218.Ap.B	am	(P-4905; A-16636)
218.Ap.C	am	(P-4905; A-16636)
218.Ap.D	am	(P-4905; A-16636)
219.100	am	(P-5169; A-16918)
219.101	r	(P-5169; A-16918)
219.101	n	(P-5169; A-16918)
219.102	am	(P-5169; A-16918)
219.104	am	(P-5169; A-16918)
219.105	am	(P-5169; A-16918)
219.106	am	(P-5169; A-16918)
219.107	am	(P-5169; A-16918)
219.109	am	(P-5169; A-16918)
219.110	am	(P-5169; A-16918)
219.111	am	(P-5169; A-16918)
219.112	am	(P-5169; A-16918)
219.121	am	(P-5169; A-16918)
219.122	am	(P-5169; A-16918)
219.123	am	(P-5169; A-16918)
219.124	am	(P-5169; A-16918)
219.125	r	(P-5169; A-16918)
219.126	r	(P-5169; A-16918)
219.141	am	(P-5169; A-16918)
219.143	am	(P-5169; A-16918)
219.144	am	(P-5169; A-16918)
219.181	am	(P-5169; A-16918)
219.182	am	(P-5169; A-16918)
219.183	am	(P-5169; A-16918)
219.184	am	(P-5169; A-16918)
219.185	r	(P-5169; A-16918)
219.186	am	(P-5169; A-16918)
219.204	am	(P-5169; A-16918)
219.205	am	(P-5169; A-16918)
219.206	am	(P-5169; A-16918)
219.207	am	(P-5169; A-16918)
219.208	am	(P-5169; A-16918)
219.209	am	(P-5169; A-16918)
219.210	am	(P-5169; A-16918)
219.211	am	(P-5169; A-16918)
219.301	am	(P-5169; A-16918)
219.302	am	(P-5169; A-16918)
219.303	am	(P-5169; A-16918)
219.304	am	(P-5169; A-16918)
219.401	am	(P-5169; A-16918)
219.402	am	(P-5169; A-16918)
219.403	am	(P-5169; A-16918)
219.404	am	(P-5169; C-6539; A-16918)
219.405	am	(P-5169; A-16918)
219.421	am	(P-5169; A-16918)
219.422	am	(P-5169; A-16918)
219.423	am	(P-5169; A-16918)
219.424	am	(P-5169; A-16918)
219.425	am	(P-5169; A-16918)
219.426	am	(P-5169; A-16918)
219.427	am	(P-5169; A-16918)
219.428	am	(P-5169; A-16918)
219.429	am	(P-5169; A-16918)
219.430	r	(P-5169; A-16918)
219.441	am	(P-5169; A-16918)
219.443	am	(P-5169; A-16918)
219.445	am	(P-5169; A-16918)
219.446	am	(P-5169; A-16918)
219.447	am	(P-5169; A-16918)
219.449	am	(P-5169; A-16918)
219.450	am	(P-5169; A-16918)
219.452	am	(P-5169; A-16918)
219.453	r	(P-5169; A-16918)
219.461	am	(P-5169; A-16918)
219.462	am	(P-5169; A-16918)
219.463	am	(P-5169; A-16918)
219.464	am	(P-5169; A-16918)
219.465	r	(P-5169; A-16918)
219.466	r	(P-5169; A-16918)
219.480	am	(P-5169; A-16918)
219.481	am	(P-5169; A-16918)
219.482	am	(P-5169; A-16918)
219.483	am	(P-5169; A-16918)
219.485	am	(P-5169; A-16918)
219.486	am	(P-5169; A-16918)
219.487	am	(P-5169; A-16918)
219.489	am	(P-5169; A-16918)
219.521	r	(P-5169; A-16918)
219.525	am	(P-5169; A-16918)
219.527	r	(P-5169; A-16918)
219.541	am	(P-5169; A-16918)
219.562	am	(P-5169; A-16918)
219.581	am	(P-5169; A-16918)
219.582	am	(P-5169; A-16918)
219.583	am	(P-5169; A-16918)
219.584	am	(P-5169; A-16918)
219.585	am	(P-5169; A-16918)
219.586	r	(P-5169;A-16918;E-8295;P-20203)

219.601	am	(P-5169; A-16918)
219.602	am	(P-5169; A-16918)
219.603	am	(P-5169; A-16918)
219.604	r	(P-5169; A-16918)
219.605	r	(P-5169; A-16918)
219.606	r	(P-5169; A-16918)
219.608	am	(P-5169; A-16918)
219.609	am	(P-5169; A-16918)
219.610	am	(P-5169; A-16918)
219.611	am	(P-5169; A-16918)
219.612	r	(P-5169; A-16918)
219.613	r	(P-5169; A-16918)
219.620	am	(P-5169; A-16918)
219.621	am	(P-5169; A-16918)
219.623	am	(P-5169; A-16918)
219.624	am	(P-5169; A-16918)
219.628	am	(P-5169; A-16918)
219.636	am	(P-5169; A-16918)
219.637	am	(P-5169; A-16918)
219.640	#	(P-5169; A-16918)
219.640	am	(P-5169; A-16918)
219.642	#	(P-5169; A-16918)
219.644	#	(P-5169; A-16918)
219.644	am	(P-5169; A-16918)
219.875	#	(P-5169; A-16918)
219.877	#	(P-5169; A-16918)
219.879	r	(P-5169; A-16918)
219.881	r	(P-5169; A-16918)
219.883	r	(P-5169; A-16918)
219.886	#	(P-5169; A-16918)
219.920	am	(P-5169; A-16918)
219.923	am	(P-5169; A-16918)
219.926	am	(P-5169; A-16918)
219.927	am	(P-5169; A-16918)
219.928	am	(P-5169; A-16918)
219.940	am	(P-5169; A-16918)
219.943	am	(P-5169; A-16918)
219.946	am	(P-5169; A-16918)
219.947	am	(P-5169; A-16918)
219.948	am	(P-5169; A-16918)
219.960	am	(P-5169; A-16918)
219.963	am	(P-5169; A-16918)
219.966	am	(P-5169; A-16918)
219.967	am	(P-5169; A-16918)
219.968	am	(P-5169; C-6539; A-16918)
219.980	am	(P-5169; A-16918)
219.983	am	(P-5169; A-16918)
219.986	am	(P-5169; A-16918)
219.987	am	(P-5169; A-16918)
219.988	am	(P-5169; A-16918)
219.990	am	(P-5169; A-16918)
219.991	am	(P-5169; A-16918)
219.Ap.A	am	(P-5169; A-16918)
219.Ap.B	am	(P-5169; A-16918)
219.Ap.C	am	(P-5169; A-16918)
219.Ap.D	am	(P-5169; A-16918)
232.Ap.A	am	(P-14540)
237.121	am	(E-14176)
252.101	am	(P-18139/92; A-9684)
252.102	am	(P-18139/92; A-9684)
252.103	am	(P-18139/92; A-9684)
252.104	am	(P-18139/92; A-9684)
252.105	am	(P-18139/92; A-9684)
252.201	am	(P-18139/92; A-9684)
252.202	am	(P-18139/92; A-9684)
252.203	am	(P-18139/92; A-9684)
252.204	am	(P-18139/92; A-9684)
252.205	am	(P-18139/92; A-9684)
252.206	am	(P-18139/92; A-9684)
252.301	am	(P-18139/92; A-9684)
252.401	am	(P-18139/92; A-9684)
253.101	r	(P-18139/92; A-9698)
253.102	r	(P-18139/92; A-9698)
253.103	r	(P-18139/92; A-9698)
253.201	r	(P-18139/92; A-9698)
253.202	r	(P-18139/92; A-9698)
253.203	r	(P-18139/92; A-9698)
253.204	r	(P-18139/92; A-9698)
254.101	n	(P-17195/92; A-7782)
254.102	n	(P-17195/92; A-7782)
254.103	n	(P-17195/92; A-7782)
254.104	n	(P-17195/92; A-7782)
254.105	n	(P-17195/92; A-7782)
254.106	n	(P-17195/92; A-7782)
254.107	n	(P-17195/92; A-7782)
254.108	n	(P-17195/92; A-7782)
254.109	n	(P-17195/92; A-7782)
254.110	n	(P-17195/92; A-7782)
254.111	n	(P-17195/92; A-7782)
254.112	n	(P-17195/92; A-7782)
254.130	n	(P-17195/92; A-7782)
254.131	n	(P-17195/92; A-7782)
254.132	n	(P-17195/92; A-7782)
254.133	n	(P-17195/92; A-7782)

254.134	n	(P-17195/92; A-7782)
254.135	n	(P-17195/92; A-7782)
254.136	n	(P-17195/92; A-7782)
254.201	n	(P-17195/92; A-7782)
254.202	n	(P-17195/92; A-7782)
254.203	n	(P-17195/92; A-7782)
254.204	n	(P-17195/92; A-7782)
254.301	n	(P-17195/92; A-7782)
254.302	n	(P-17195/92; A-7782)
254.303	n	(P-17195/92; A-7782)
254.304	n	(P-17195/92; A-7782)
254.305	n	(P-17195/92; A-7782)
254.306	n	(P-17195/92; A-7782)
254.401	n	(P-17195/92; A-7782)
254.402	n	(P-17195/92; A-7782)
254.403	n	(P-17195/92; A-7782)
254.404	n	(P-17195/92; A-7782)
270.101	n	(P-16325)
270.102	n	(P-16325)
270.103	n	(P-16325)
270.104	n	(P-16325)
270.105	n	(P-16325)
270.106	n	(P-16325)
270.107	n	(P-16325)
270.108	n	(P-16325)
270.201	n	(P-16325)
270.202	n	(P-16325)
270.301	n	(P-16325)
270.302	n	(P-16325)
270.303	n	(P-16325)
270.304	n	(P-16325)
270.305	n	(P-16325)
270.306	n	(P-16325)
270.307	n	(P-16325)
270.401	n	(P-16325)
270.402	n	(P-16325)
270.403	n	(P-16325)
270.404	n	(P-16325)
270.405	n	(P-16325)
270.406	n	(P-16325)
270.407	n	(P-16325)
270.408	n	(P-16325)
270.409	n	(P-16325)
270.410	n	(P-16325)
270.411	n	(P-16325)
270.412	n	(P-16325)
270.413	n	(P-16325)
270.501	n	(P-16325)
270.502	n	(P-16325)
270.503	n	(P-16325)
270.504	n	(P-16325)
270.601	n	(P-16325)
270.602	n	(P-16325)
270.603	n	(P-16325)
270.604	n	(P-16325)
270.605	n	(P-16325)
270.606	n	(P-16325)
270.607	n	(P-16325)
270.608	n	(P-16325)
270.609	n	(P-16325)
303.323	am	(P-18759)
303.400	n	(P-16374)
304.213	am	(P-15223)
307.1103	am	(P-9803; A-19483)
307.2400	am	(P-9803; A-19483)
307.2402	am	(P-9803; A-19483)
307.2403	am	(P-9803; A-19483)
307.2404	am	(P-9803; A-19483)
307.2405	am	(P-9803; A-19483)
307.2406	am	(P-9803; A-19483)
307.2490	am	(P-9803; A-19483)
307.2491	am	(P-9803; A-19483)
320.101	n	(P-2469; A-11461)
320.102	n	(P-2469; A-11461)
320.103	n	(P-2469; A-11461)
320.104	n	(P-2469; A-11461)
320.105	n	(P-2469; A-11461)
320.201	n	(P-2469; A-11461)
320.202	n	(P-2469; A-11461)
320.203	n	(P-2469; A-11461)
320.204	n	(P-2469; A-11461)
320.301	n	(P-2469; A-11461)
320.302	n	(P-2469; A-11461)
604.101	r	(P-7621; A-12648)
604.102	r	(P-7621; A-12648)
604.103	r	(P-7621; A-12648)
604.104	r	(P-7621; A-12648)
604.105	r	(P-7621; A-12648)
604.401	r	(P-7621; A-12648)
605.101	r	(P-2682; A-7943)
605.102	r	(P-2682; A-7943)
605.109	r	(P-7738; A-12780)
611.101	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.102	am	(P-2533; A-7796)
		(P-7629; A-12650)

611.107	n	(A-7796)
611.110	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.111	am	(P-2533; A-7796)
611.112	am	(P-2533; A-7796)
611.113	am	(P-2533; A-7796)
611.130	n	(P-2533; A-7796)
		(P-7629; A-12650)
611.240	am	(P-7629; A-12650)
611.280	am	(P-2533; A-7796)
611.290	am	(P-2533; A-7796)
611.297	n	(P-2533; A-7796)
611.300	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.301	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.310	am	(P-7629; A-12650)
611.311	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.350	n	(P-2533; A-7796)
611.351	n	(P-2533; A-7796)
611.352	n	(P-2533; A-7796)
611.353	n	(P-2533; A-7796)
611.354	n	(P-2533; A-7796)
611.355	n	(P-2533; A-7796)
611.356	n	(P-2533; A-7796)
		(P-7629; A-12650)
611.357	n	(P-2533; A-7796)
611.358	n	(P-2533; A-7796)
611.359	n	(P-2533; A-7796)
		(P-7629; A-12650)
611.360	n	(P-2533; A-7796)
		(P-7629; A-12650)
611.361	n	(P-2533; A-7796)
611.510	am	(P-7629; A-12650)
611.521	am	(P-2533; A-7796)
611.560	am	(P-2533; A-7796)
611.600	am	(P-7629; A-12650)
611.601	am	(P-7629; A-12650)
611.603	am	(P-7629; A-12650)
611.609	am	(P-7629; A-12650)
611.611	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.612	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.630	am	(P-2533; A-7796)
611.640	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.646	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.647	am	(P-2533; A-7796)
611.648	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.Ap.A	am	(P-2533; A-7796)
		(P-7629; A-12650)
611.Ap.E	n	(P-2533; A-7796)
611.Tb.D	#	(P-2533; A-7796)
611.Tb.D	n	(P-2533; A-7796)
611.Tb.E	n	(P-2533; A-7796)
611.Tb.F	n	(P-2533; A-7796)
611.Tb.G	n	(P-2533; A-7796)
611.Tb.Z	#	(P-2533; A-7796)
611.Tb.Z	am	(P-2533; A-7796)
		(P-7629; A-12650)
615.105	am	(P-16465/92; A-1871)
616.105	am	(P-16473/92; A-1878)
670.101	n	(P-18730)
670.102	n	(P-18730)
670.103	n	(P-18730)
670.104	n	(P-18730)
670.105	n	(P-18730)
670.106	n	(P-18730)
670.107	n	(P-18730)
670.201	n	(P-18730)
670.203	n	(P-18730)
670.205	n	(P-18730)
670.207	n	(P-18730)
670.209	n	(P-18730)
670.211	n	(P-18730)
670.213	n	(P-18730)
670.215	n	(P-18730)
670.217	n	(P-18730)
670.301	n	(P-18730)
670.401	n	(P-18730)
670.501	n	(P-18730)
702.181	am	(P-16924/92; A-5769)
703.155	am	(P-9417; A-20794)
703.181	am	(P-9417; A-20794)
703.183	am	(P-9417; A-20794)
703.203	am	(P-16930/92; A-5774)
703.204	am	(P-16930/92; A-5774)
703.207	am	(P-16930/92; A-5774)
703.280	am	(P-9417; A-20794)
703.Ap.A	am	(P-16930/92; A-5774)
		(P-9417; A-20794)
720.110	am	(P-16776/92; A-5625)

		(P-9170; A-20545)
720.111	am	(P-9170; A-20545)
721.102	am	(P-9193; A-20568)
721.103	am	(P-16801/92; A-5650)
		(P-9193; A-20568)
721.104	am	(P-16801/92; A-5650)
		(P-9193; A-20568)
721.105	am	(P-9193; A-20568)
721.106	am	(P-9193; A-20568)
721.111	am	(P-16801/92; A-5650)
721.131	am	(P-9193; A-20568)
721.132	am	(P-9193; A-20568)
721.Ap.B	am	(P-9193; A-20568)
721.Ap.G	am	(P-9193; A-20568)
722.134	am	(P-9445; A-20822)
724.101	am	(P-9453; A-20830)
724.113	am	(P-16970/92; A-5806)
		(P-9453; A-20830)
724.115	am	(P-16970/92; A-5806)
724.119	n	(P-16970/92; A-5806)
724.173	am	(P-16970/92; A-5806)
724.210	am	(P-9453; A-20830)
724.211	am	(P-9453; A-20830)
724.212	am	(P-9453; A-20830)
724.240	am	(P-9453; A-20830)
724.242	am	(P-9453; A-20830)
724.243	am	(P-9453; A-20830)
724.245	am	(P-9453; A-20830)
724.247	am	(P-9453; A-20830)
724.251	am	(P-9453; A-20830)
724.321	am	(P-16970/92; A-5806)
724.322	n	(P-16970/92; A-5806)
724.323	n	(P-16970/92; A-5806)
724.326	am	(P-16970/92; A-5806)
724.328	n	(P-16970/92; A-5806)
724.351	am	(P-16970/92; A-5806)
724.352	n	(P-16970/92; A-5806)
724.353	n	(P-16970/92; A-5806)
724.354	am	(P-16970/92; A-5806)
724.401	am	(P-16970/92; A-5806)
724.402	n	(P-16970/92; A-5806)
724.403	am	(P-16970/92; A-5806)
724.404	n	(P-16970/92; A-5806)
724.410	am	(P-16970/92; A-5806)
724.414	am	(P-9453; A-20830)
724.416	am	(P-9453; A-20830)
724.670	am	(P-9453; A-20830)
724.671	am	(P-9453; A-20830)
724.672	am	(P-9453; A-20830)
724.673	am	(P-16970/92; A-5806)
		(P-9453; A-20830)
724.1100	n	(P-9453; A-20830)
724.1101	n	(P-9453; A-20830)
724.1102	n	(P-9453; A-20830)
725.101	am	(P-9245; A-20620)
725.113	am	(P-16831/92; A-5681)
		(P-9245; A-20620)
725.115	am	(P-16831/92; A-5681)
725.119	n	(P-16831/92; A-5681)
725.173	am	(P-16831/92; A-5681)
725.210	am	(P-9245; A-20620)
725.211	am	(P-9245; A-20620)
725.212	am	(P-9245; A-20620)
725.240	am	(P-9245; A-20620)
725.242	am	(P-9245; A-20620)
725.243	am	(P-9245; A-20620)
725.245	am	(P-9245; A-20620)
725.247	am	(P-9245; A-20620)
725.321	am	(P-16831/92; A-5681)
		(P-9245; A-20620)
725.322	r	(P-16831/92; A-5681)
725.322	n	(P-16831/92; A-5681)
725.323	r	(P-16831/92; A-5681)
725.323	n	(P-16831/92; A-5681)
725.324	n	(P-16831/92; A-5681)
725.326	am	(P-16831/92; A-5681)
725.328	am	(P-16831/92; A-5681)
725.354	am	(P-16831/92; A-5681)
725.355	n	(P-16831/92; A-5681)
725.359	n	(P-16831/92; A-5681)
725.360	n	(P-16831/92; A-5681)
725.401	am	(P-16831/92; A-5681)
725.402	r	(P-16831/92; A-5681)
725.402	n	(P-16831/92; A-5681)
725.403	n	(P-16831/92; A-5681)
725.404	n	(P-16831/92; A-5681)
725.410	am	(P-16831/92; A-5681)
725.414	am	(P-9245; A-20620)
725.416	am	(P-9245; A-20620)
725.540	am	(P-9245; A-20620)
725.541	am	(P-9245; A-20620)
725.542	am	(P-9245; A-20620)
725.543	am	(P-16831/92; A-5681)
		(P-9245; A-20620)
725.1100	n	(P-9245; A-20620)
725.1101	n	(P-9245; A-20620)

725.1102	n	(P-9245; A-20620)
726.140	r	(P-9528; A-20904)
726.141	r	(P-9528; A-20904)
726.142	r	(P-9528; A-20904)
726.143	r	(P-9528; A-20904)
726.144	r	(P-9528; A-20904)
726.200	am	(P-17028/92; A-5865)
		(P-9528; A-20904)
726.201	am	(P-9528; A-20904)
726.203	am	(P-9528; A-20904)
726.204	am	(P-9528; A-20904)
726.206	am	(P-9528; A-20904)
726.207	am	(P-9528; A-20904)
726.212	am	(P-9528; A-20904)
726.219	am	(P-9528; A-20904)
726.Ap.I	am	(P-9528; A-20904)
728.101	am	(P-9317; A-20692)
728.102	am	(P-9317; A-20692)
728.103	am	(P-16878/92; A-5727)
728.105	am	(P-9317; A-20692)
728.107	am	(P-9317; A-20692)
728.109	am	(P-9317; A-20692)
728.114	n	(P-9317; A-20692)
728.135	am	(P-16878/92; A-5727)
		(P-9317; A-20692)
728.136	n	(P-9317; A-20692)
728.137	n	(P-9317; A-20692)
728.140	am	(P-9317; A-20692)
728.141	am	(P-16878/92; A-5727)
		(P-9317; A-20692)
728.142	am	(P-9317; A-20692)
728.145	n	(P-9317; A-20692)
728.146	n	(P-9317; A-20692)
728.150	am	(P-9317; A-20692)
728.Ap.B	am	(P-9317; A-20692)
728.Tb.A	am	(P-9317; A-20692)
728.Tb.B	am	(P-9317; A-20692)
728.Tb.D	am	(P-16878/92; A-5727)
		(P-9317; A-20692)
728.Tb.F	n	(P-9317; A-20692)
728.Tb.G	n	(P-9317; A-20692)
730.168	am	(P-8428; A-15646)
738.101	am	(P-16770/92; A-6190)
		(P-8423; A-15641)
738.110	am	(P-16770/92; A-6190)
738.117	n	(P-8423; A-15641)
739.100	n	(P-9588; A-20954)
739.110	n	(P-9588; A-20954)
739.111	n	(P-9588; A-20954)
739.112	n	(P-9588; A-20954)
739.120	n	(P-9588; A-20954)
739.121	n	(P-9588; A-20954)
739.122	n	(P-9588; A-20954)
739.123	n	(P-9588; A-20954)
739.124	n	(P-9588; A-20954)
739.130	n	(P-9588; A-20954)
739.131	n	(P-9588; A-20954)
739.132	n	(P-9588; A-20954)
739.140	n	(P-9588; A-20954)
739.141	n	(P-9588; A-20954)
739.142	n	(P-9588; A-20954)
739.143	n	(P-9588; A-20954)
739.144	n	(P-9588; A-20954)
739.145	n	(P-9588; A-20954)
739.146	n	(P-9588; A-20954)
739.147	n	(P-9588; A-20954)
739.150	n	(P-9588; A-20954)
739.151	n	(P-9588; A-20954)
739.152	n	(P-9588; A-20954)
739.153	n	(P-9588; A-20954)
739.154	n	(P-9588; A-20954)
739.155	n	(P-9588; A-20954)
739.156	n	(P-9588; A-20954)
739.157	n	(P-9588; A-20954)
739.158	n	(P-9588; A-20954)
739.159	n	(P-9588; A-20954)
739.160	n	(P-9588; A-20954)
739.161	n	(P-9588; A-20954)
739.162	n	(P-9588; A-20954)
739.163	n	(P-9588; A-20954)
739.164	n	(P-9588; A-20954)
739.165	n	(P-9588; A-20954)
739.166	n	(P-9588; A-20954)
739.167	n	(P-9588; A-20954)
739.170	n	(P-9588; A-20954)
739.171	n	(P-9588; A-20954)
739.172	n	(P-9588; A-20954)
739.173	n	(P-9588; A-20954)
739.174	n	(P-9588; A-20954)
739.175	n	(P-9588; A-20954)
739.180	n	(P-9588; A-20954)
739.181	n	(P-9588; A-20954)
739.182	n	(P-9588; A-20954)
807.105	am	(P-17703)
807.106	n	(E-17268)
810.101	am	(P-17709)

810.103	am	(P-8702) (P-17709)
810.104	am	(P-8702) (P-17709)
811.101	am	(P-8726) (P-17730)
811.171	am	(P-8726)
811.110	am	(P-8726)
811.111	am	(P-8726)
811.112	n	(P-8726)
811.301	am	(P-17730)
811.302	am	(P-8726)
811.303	am	(P-8726)
811.310	am	(P-16962/92; A-12413)
811.319	am	(P-8726)
811.323	am	(P-8726)
811.324	n	(P-8726)
811.325	n	(P-8726)
811.326	n	(P-8726)
811.700	am	(P-8726)
811.701	am	(P-8726)
811.702	am	(P-8726)
811.703	am	(P-8726)
811.704	am	(P-8726)
811.705	am	(P-8726)
811.706	am	(P-8726)
811.707	am	(P-8726)
811.708	am	(P-8726)
811.709	am	(P-8726)
811.710	am	(P-8726)
811.711	am	(P-8726)
811.712	am	(P-8726)
811.713	am	(P-8726)
811.714	am	(P-8726)
811.715	am	(P-8726)
811.Ap.B	n	(P-8726)
812.101	am	(P-17644)
812.301	am	(P-17644)
813.101	am	(P-17654)
813.106	am	(P-16920/92; A-12409)
814.101	am	(P-8714)
814.102	am	(P-8714)
814.103	am	(P-8714)
814.104	am	(P-8714)
814.105	am	(P-8714)
814.107	n	(P-8714)
814.108	n	(P-8714)
814.302	am	(P-8714)
814.402	am	(P-8714)
814.501	am	(P-8714)
814.601	n	(P-17721)
814.602	n	(P-17721)
814.701	n	(P-17721)
814.702	n	(P-17721)
814.801	n	(P-17721)
814.802	n	(P-17721)
815.202	am	(P-17649)
815.401	am	(P-17649)
817.101	n	(P-17659)
817.102	n	(P-17659)
817.103	n	(P-17659)
817.104	n	(P-17659)
817.105	n	(P-17659)
817.106	n	(P-17659)
817.107	n	(P-17659)
817.201	n	(P-17659)
817.202	n	(P-17659)
817.203	n	(P-17659)
817.204	n	(P-17659)
817.301	n	(P-17659)
817.302	n	(P-17659)
817.303	n	(P-17659)
817.304	n	(P-17659)
817.305	n	(P-17659)
817.306	n	(P-17659)
817.307	n	(P-17659)
817.308	n	(P-17659)
817.401	n	(P-17659)
817.402	n	(P-17659)
817.403	n	(P-17659)
817.404	n	(P-17659)
817.405	n	(P-17659)
817.406	n	(P-17659)
817.407	n	(P-17659)
817.408	n	(P-17659)
817.409	n	(P-17659)
817.410	n	(P-17659)
817.411	n	(P-17659)
817.412	n	(P-17659)
817.413	n	(P-17659)
817.414	n	(P-17659)
817.415	n	(P-17659)
817.416	n	(P-17659)
817.417	n	(P-17659)
817.418	n	(P-17659)
817.419	n	(P-17659)
817.420	n	(P-17659)
817.421	n	(P-17659)
817.501	n	(P-17659)

817.Ap.A	n	(P-17659)
858.207	am	(P-4621/92: A-4190)
876.	n	(E-16191/92; O-18856/92; RC-18857/92; M-2438)
880.100	r	(PR-17861) (AR-20266)
880.101	r	(PR-17861) (AR-20266)
880.102	r	(PR-17861) (AR-20266)
880.103	r	(PR-17861) (AR-20266)
880.104	r	(PR-17861) (AR-20266)
880.105	r	(PR-17861) (AR-20266)
880.106	r	(PR-17861) (AR-20266)
880.200	r	(PR-17861) (AR-20266)
880.201	r	(PR-17861) (AR-20266)
880.202	r	(PR-17861) (AR-20266)
880.203	r	(PR-17861) (AR-20266)
880.300	r	(PR-17861) (AR-20266)
880.301	r	(PR-17861) (AR-20266)
1420.101	am	(P-19625/92; A-9947)
1420.102	am	(P-19625/92; A-9947)
1420.103	n	(P-19625/92; A-9947)
1420.104	n	(P-19625/92; A-9947)
1420.105	n	(P-19625/92; A-9947)
1420.106	n	(P-19625/92; A-9947)
1420.107	n	(P-19625/92; A-9947)
1420.120	n	(P-19625/92; A-9947)
1421.101	n	(P-19615/92; A-10392)
1421.110	n	(P-19615/92; A-10392)
1421.111	n	(P-19615/92; A-10392)
1421.120	n	(P-19615/92; A-10392)
1421.121	n	(P-19615/92; A-10392)
1421.130	n	(P-19615/92; A-10392)
1421.131	n	(P-19615/92; A-10392)
1421.140	n	(P-19615/92; A-10392)
1421.141	n	(P-19615/92; A-10392)
1421.II.A	n	(P-19615/92; A-10392)
1422.101	n	(P-20002/92; A-9911)
1422.105	n	(P-20002/92; A-9911)
1422.106	n	(P-20002/92; A-9911)
1422.110	n	(P-20002/92; A-9911)
1422.111	n	(P-20002/92; A-9911)
1422.120	n	(P-20002/92; A-9911)
1422.121	n	(P-20002/92; A-9911)
1422.122	n	(P-20002/92; O-8084; M-10007; A-9911)
1422.123	n	(P-20002/92; A-9911)
1422.124	n	(P-20002/92; A-9911)
1422.125	n	(P-20002/92; A-9911)
1422.126	n	(P-20002/92; A-9911)
1422.127	n	(P-20002/92; A-9911)
1422.Ap.A	n	(P-20002/92; A-9911)
Tb.A	n	(P-20002/92; A-9911)
Tb.B	n	(P-20002/92; A-9911)
Tb.C	n	(P-20002/92; A-9911)
1422.Ap.B	n	(P-20002/92; A-9911)
1450.100	n	(P-17874/92; A-20268)
1450.101	n	(P-17874/92; A-20268)
1450.102	n	(P-17874/92; A-20268)
1450.103	n	(P-17874/92; A-20268)
1450.104	n	(P-17874/92; A-20268)
1450.105	n	(P-17874/92; A-20268)
1450.106	n	(P-17874/92; A-20268)
1450.200	n	(P-17874/92; A-20268)
1450.201	n	(P-17874/92; A-20268)
1450.202	n	(P-17874/92; A-20268)
1450.203	n	(P-17874/92; A-20268)
1450.300	n	(P-17874/92; A-20268)
1450.301	n	(P-17874/92; A-20268)

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130.10	am	(P-6929)
130.30	am	(P-6929; PF-21127)
130.60	am	(P-6929)
180.10	am	(P-14006/92; A-123)
180.22	n	(P-14006/92; A-123)
180.24	n	(P-14006/92; A-123)
180.30	am	(P-14006/92; A-123)
180.85	am	(P-5990; A-9893) (E-6321)
180.92	n	(P-14006/92; A-123)
180.94	n	(P-14006/92; A-123)
180.100	am	(P-14006/92; A-123)
190.35	n	(P-6599; W-13197)
190.70	am	(P-6599; W-13197)
190.75	n	(P-6599; W-13197)
190.165	am	(P-6599; W-13197)
380.10	n	(P-19347)
380.20	n	(P-19347)
380.30	n	(P-19347)
400.110	re	(A-4464)
400.120	re	(A-4464)
400.130	re	(A-4464)
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1050.1640	re	(A-4475)
1050.1650	re	(A-4475)
1050.1660	re	(A-4475)
1050.1670	re	(A-4475)
1050.1680	re	(A-4475)
1050.1690	re	(A-4475)
1050.1700	re	(A-4475)
1050.1720	re	(A-4475)
1050.1730	re	(A-4475)
1050.1740	re	(A-4475)
1050.1750	re	(A-4475)
1050.1760	re	(A-4475)
1050.1770	re	(A-4475)
1050.1790	re	(A-4475)
1075.100	n	(P-2727; A-8894)
1075.1425	am	(P-2727; A-8894)
1075.1700	n	(P-2727; A-8894)
1075.1710	n	(P-2727; A-8894)
1075.1800	n	(P-2727; A-8894)
1075.1805	n	(P-2727; A-8894)
1075.1810	n	(P-2727; A-8894)
1075.1815	n	(P-2727; A-8894)
1075.1820	n	(P-2727; A-8894)
1075.1825	n	(P-2727; A-8894)
1075.1830	n	(P-2727; A-8894)
1075.1835	n	(P-2727; A-8894)
1075.1840	n	(P-2727; A-8894)
1075.1845	n	(P-2727; A-8894)
1075.1850	n	(P-2727; A-8894)
1075.1855	n	(P-2727; A-8894)
1075.1860	n	(P-2727; A-8894)
1075.1865	n	(P-2727; A-8894)
1075.1870	n	(P-2727; A-8894)
1075.1875	n	(P-2727; A-8894)

1075.1880	n	(P-2727; A-8894)
1075.1885	n	(P-2727; A-8894)
1075.1890	n	(P-2727; A-8894)
1075.1895	n	(P-2727; A-8894)
1075.1900	n	(P-2727; A-8894)
1075.1905	n	(P-2727; A-8894)
1075.1910	n	(P-2727; A-8894)
1075.1915	n	(P-2727; A-8894)
1075.1920	n	(P-2727; A-8894)
1075.1925	n	(P-2727; A-8894)
1075.1930	n	(P-2727; A-8894)
1075.1935	n	(P-2727; A-8894)
1075.1940	n	(P-2727; A-8894)
1075.1945	n	(P-2727; A-8894)
1075.1950	n	(P-2727; A-8894)
1075.1955	n	(P-2727; A-8894)
1075.1960	n	(P-2727; A-8894)
1075.1965	n	(P-2727; A-8894)
1075.1970	n	(P-2727; A-8894)
1075.1975	n	(P-2727; A-8894)
1075.1980	n	(P-2727; A-8894)
1075.1985	n	(P-2727; A-8894)
1075.1990	n	(P-2727; A-8894)
1075.1995	n	(P-2727; A-8894)
1075.2000	n	(P-2727; A-8894)
1075.2005	n	(P-2727; A-8894)
1075.2010	n	(P-2727; A-8894)
1075.2015	n	(P-2727; A-8894)
1075.2020	n	(P-2727; A-8894)
1075.2025	n	(P-2727; A-8894)
1075.2030	n	(P-2727; A-8894)
1075.2035	n	(P-2727; A-8894)
1075.2040	n	(P-2727; A-8894)
1075.2045	n	(P-2727; A-8894)
1075.2050	n	(P-2727; A-8894)
1075.2055	n	(P-2727; A-8894)
1075.2060	n	(P-2727; A-8894)
1075.2065	n	(P-2727; A-8894)
1075.2070	n	(P-2727; A-8894)
1075.2075	n	(P-2727; A-8894)
1075.2080	n	(P-2727; A-8894)
1075.2085	n	(P-2727; A-8894)
1075.2090	n	(P-2727; A-8894)
1075.2095	n	(P-2727; A-8894)
1075.2100	n	(P-2727; A-8894)
1075.2105	n	(P-2727; A-8894)
1075.2110	n	(P-2727; A-8894)
1075.2115	n	(P-2727; A-8894)
1075.2120	n	(P-2727; A-8894)
1075.2125	n	(P-2727; A-8894)
1075.2130	n	(P-2727; A-8894)
1075.2135	n	(P-2727; A-8894)
1075.2140	n	(P-2727; A-8894)
1075.2145	n	(P-2727; A-8894)
1075.2150	n	(P-2727; A-8894)
1075.2155	n	(P-2727; A-8894)
1075.2160	n	(P-2727; A-8894)
1075.2165	n	(P-2727; A-8894)
1075.2170	n	(P-2727; A-8894)
1075.2200	n	(P-2727; A-8894)
1075.2210	n	(P-2727; A-8894)
1075.2220	n	(P-2727; A-8894)
1075.2230	n	(P-2727; A-8894)
1075.2240	n	(P-2727; A-8894)
1075.2300	n	(P-2727; A-8894)
1075.2310	n	(P-2727; A-8894)
1075.2320	n	(P-2727; A-8894)
1075.2330	n	(P-2727; A-8894)
1075.2340	n	(P-2727; A-8894)
1075.2350	n	(P-2727; A-8894 RQ-11873; EC-18223)
1075.2360	n	(P-2727; A-8894 RQ-11873; EC-18223)
1075.2370	n	(P-2727; A-8894 RQ-11873; EC-18223)
1075.2380	n	(P-2727; A-8894)
1075.2390	n	(P-2727; A-8894 RQ-11873; EC-18223)
1075.2400	n	(P-2727; A-8894)
1075.2410	n	(P-2727; A-8894)
1075.2420	n	(P-2727; A-8894)
1075.2430	n	(P-2727; A-8894)
1075.2440	n	(P-2727; A-8894
1075.2450	n	(P-2727; A-8894)
1075.2460	n	(P-2727; A-8894)
1075.2500	n	(P-2727; A-8894)
1075.2510	n	(P-2727; A-8894)
1075.2520	n	(P-2727; A-8894)
1075.2530	n	(P-2727; A-8894)
1075.2540	n	(P-2727; A-8894)
1075.2550	n	(P-2727; A-8894)
1075.2560	n	(P-2727; A-8894)
1075.2570	n	(P-2727; A-8894)
1075.2580	n	(P-2727; A-8894)

TITLE 41

100.7	am	(P-15681/92; PF-8083; W-10010; A-19127)
120.4	r	(P-19291/92; A-14917)
120.7	r	(P-19291/92; A-14917)
120.10	am	(P-19291/92; A-14917)
120.11	am	(P-19291/92; A-14917)
120.20	am	(P-19291/92; A-14917)
120.30	n	(P-19291/92; A-14917)
120.41	r	(P-19291/92; A-14917)
120.100	am	(P-19291/92; A-14917)
120.105	n	(P-19291/92; A-14917)
120.200	am	(P-19291/92; A-14917)
120.205	n	(P-19291/92; A-14917)
120.300	am	(P-19291/92; A-14917)
120.400	r	(P-19291/92; A-14917)
120.500	r	(P-19291/92; A-14917)
120.600	am	(P-19291/92; A-14917)
120.700	r	(P-19291/92; A-14917)
120.900	r	(P-19291/92; A-14917)
120.1000	am	(P-19291/92; A-14917)
120.1010	am	(P-19291/92; A-14917)
120.1020	am	(P-19291/92; A-14917)
120.1040	am	(P-19291/92; A-14917)
120.1041	am	(P-19291/92; A-14917)
120.1100	am	(P-19291/92; A-14917)
120.1200	am	(P-19291/92; A-14917)
120.1210	am	(P-19291/92; A-14917)
120.1220	am	(P-19291/92; A-14917)
120.1240	am	(P-19291/92; A-14917)
120.1250	am	(P-19291/92; A-14917)
120.1260	am	(P-19291/92; A-14917)
120.1270	am	(P-19291/92; A-14917)
120.1275	am	(P-19291/92; A-14917)
120.1280	am	(P-19291/92; A-14917)
120.1285	am	(P-19291/92; A-14917)
120.1290	am	(P-19291/92; A-14917)
120.1300	am	(P-19291/92; A-14917)
120.1305	am	(P-19291/92; A-14917)
120.1310	am	(P-19291/92; A-14917)
120.1320	am	(P-19291/92; A-14917)
120.1325	am	(P-19291/92; A-14917)
120.1330	am	(P-19291/92; A-14917)
120.1335	am	(P-19291/92; A-14917)
120.1340	am	(P-19291/92; A-14917)
120.1350	am	(P-19291/92; A-14917)
120.1355	am	(P-19291/92; A-14917)
120.1360	am	(P-19291/92; A-14917)
120.Ap.A	r	(P-19291/92; A-14917)
120.Ap.B	r	(P-19291/92; A-14917)
140.2	am	(P-14352)
140.8	am	(P-14017/92; W-9752) (P-14352)
140.11	am	(P-14352)
140.12	am	(P-14017/92; W-9752) (P-14352)
140.18	am	(P-14017/92; W-9752)
	n	(P-14352)
140.40	am	(P-14017/92; W-9752)
	r	(P-14352)
140.50	am	(P-14017/92; W-9752) (P-14352)
140.55	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.60	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.65	am	(P-14017/92; W-9752) (P-14352)
140.70	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.80	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.90	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.130	am	(P-14017/92; W-9752) (P-14352)
140.140	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.150	am	(P-14017/92; W-9752) (P-14352)
140.160	am	(P-14017/92; W-9752) (E-11181) (P-14352)
140.171	am	(P-14017/92; W-9752) (P-14352)
140.180	am	(P-14017/92; W-9752) (P-14352)
140.185	am	(P-14017/92; W-9752) (P-14352)
140.220	am	(P-14017/92; W-9752) (P-14352)
140.225	n	(P-14352)
140.230	am	(P-14017/92; W-9752) (P-14352)
140.232	am	(P-14017/92; W-9752)
	am,#	(P-14352)
140.234	am	(P-14017/92; W-9752)

	am,#	(P-14352)
140.236	am	(P-14017/92; W-9752)
	am,#	(P-14352)
140.238	n	(P-14352)
140.240	am	(P-14017/92; W-9752)
	n	(P-14352)
140.241	n	(E-11181)
140.250	r	(P-14352)
140.305	am	(P-14017/92; W-9752)
		(P-14352)
140.310	am	(P-14017/92; W-9752)
140.390	am	(P-14017/92; W-9752)
		(P-14352)
140.400	am	(P-14017/92; W-9752)
		(P-14352)
140.420	am	(P-14017/92; W-9752)
	n	(P-14352)
170.530	am	(E-1186)
280.10	n	(P-15665/92; A-7214)
280.20	n	(P-15665/92; A-7214)
280.30	n	(P-15665/92; A-7214)
280.40	n	(P-15665/92; A-7214)
280.50	n	(P-15665/92; A-7214)
280.60	n	(P-15665/92; A-7214)
280.65	n	(P-15665/92; A-7214)
280.70	n	(P-15665/92; A-7214)
280.75	n	(P-15665/92; A-7214)
280.80	n	(P-15665/92; A-7214)
TITLE 44		
1.100	am	(P-12808/92; A-600)
1.350	am	(P-12808/92; A-600)
1.515	n	(P-12808/92; A-600)
1.530	am	(P-12808/92; A-600)
1.610	am	(P-12808/92; A-600)
1.620	am	(P-12808/92; A-600)
1.630	am	(P-12808/92; A-600)
1.2215	am	(P-3926; A-14576)
610.100	n	(P-1697; A-8176)
610.110	n	(P-1697; A-8176)
610.120	n	(P-1697; A-8176)
610.200	n	(P-1697; A-8176)
610.210	n	(P-1697; A-8176)
610.220	n	(P-1697; A-8176)
610.230	n	(P-1697; A-8176)
610.240	n	(P-1697; A-8176)
610.250	n	(P-1697; A-8176)
610.260	n	(P-1697; A-8176)
610.270	n	(P-1697; A-8176)
610.280	n	(P-1697; A-8176)
610.300	n	(P-1697; A-8176)
610.310	n	(P-1697; A-8176)
610.320	n	(P-1697; A-8176)
610.330	n	(P-1697; A-8176)
610.340	n	(P-1697; A-8176)
610.350	n	(P-1697; A-8176)
5000.230	am	(P-2105; A-10753)
		(E-2361)
5000.250	n	(P-15217) (E-15653)
5000.900	n	(P-11378/92; A-1006)
5000.910	n	(P-11378/92; A-1006)
5000.920	n	(P-11378/92; A-1006)
5000.930	n	(P-11378/92; A-1006)
5000.940	n	(P-11378/92; A-1006)
5000.950	n	(P-11378/92; A-1006)
5000.960	n	(P-11378/92; A-1006)
5000.970	n	(P-11378/92; A-1006)
5000.Ap.B	n	(P-11378/92; A-1006)
TITLE 47		
100.30	am	(P-16707/92; A-3836)
100.105	am	(P-16707/92; A-3836)
100.Ap.A		
.II.A	am	(P-16707/92; A-3836)
.II.B	am	(P-16707/92; A-3836)
.II.C	am	(P-16707/92; A-3836)
.II.D	am	(P-16707/92; A-3836)
.II.E	am	(P-16707/92; A-3836)
.II.F	am	(P-16707/92; A-3836)
125.10	n	(P-18879/92; A-6180)
125.20	n	(P-18879/92; A-6180)
125.30	n	(P-18879/92; A-6180)
125.40	n	(P-18879/92; A-6180)
125.50	n	(P-18879/92; A-6180)
125.60	n	(P-18879/92; A-6180)
125.70	n	(P-18879/92; A-6180)
125.80	n	(P-18879/92; A-6180)
125.90	n	(P-18879/92; A-6180)
125.100	n	(P-18879/92; A-6180)
125.110	n	(P-18879/92; A-6180)
125.120	n	(P-18879/92; A-6180)
125.130	n	(P-18879/92; A-6180)
125.140	n	(P-18879/92; A-6180)
130.10	r	(P-1; A-7212)
130.20	r	(P-1; A-7212)
130.30	r	(P-1; A-7212)

130.40	r	(P-1; A-7212)
130.50	r	(P-1; A-7212)
130.60	r	(P-1; A-7212)
130.70	r	(P-1; A-7212)
130.80	r	(P-1; A-7212)
130.90	r	(P-1; A-7212)
130.100	r	(P-1; A-7212)
130.110	r	(P-1; A-7212)
160.10	am	(P-15747)
160.30	am	(P-15747)
160.40	am	(P-15747)
160.50	am	(P-15747)
160.60	am	(P-15747)
160.70	am	(P-15747)
160.80	am	(P-15747)
310.401	am	(P-13659) (E-13805)
370.101	n	(P-11713/92; A-319)
370.102	n	(P-11713/92; A-319)
370.103	n	(P-11713/92; A-319)
370.104	n	(P-11713/92; A-319)
370.105	n	(P-11713/92; A-319)
370.106	n	(P-11713/92; A-319)
370.107	n	(P-11713/92; A-319)
370.108	n	(P-11713/92; A-319)
370.109	n	(P-11713/92; A-319)
370.110	n	(P-11713/92; A-319)
370.111	n	(P-11713/92; A-319)
370.112	n	(P-11713/92; A-319)
370.113	n	(P-11713/92; A-319)
370.201	n	(P-11713/92; A-319)
370.202	n	(P-11713/92; A-319)
370.203	n	(P-11713/92; A-319)
370.204	n	(P-11713/92; A-319)
370.205	n	(P-11713/92; A-319)
370.206	n	(P-11713/92; A-319)
370.207	n	(P-11713/92; A-319)
370.208	n	(P-11713/92; A-319)
370.209	n	(P-11713/92; A-319)
370.210	n	(P-11713/92; A-319)
370.211	n	(P-11713/92; A-319)
370.212	n	(P-11713/92; A-319)
370.301	n	(P-11713/92; A-319)
370.302	n	(P-11713/92; A-319)
370.303	n	(P-11713/92; A-319)
370.304	n	(P-11713/92; A-319)
370.305	n	(P-11713/92; A-319)
370.401	n	(P-11713/92; A-319)
370.402	n	(P-11713/92; A-319)
370.501	n	(P-11713/92; A-319)
370.502	n	(P-11713/92; A-319)
370.503	n	(P-11713/92; A-319)
370.504	n	(P-11713/92; A-319)
370.505	n	(P-11713/92; A-319)
370.506	n	(P-11713/92; A-319)
370.507	n	(P-11713/92; A-319)
370.601	n	(P-11713/92; A-319)
370.602	n	(P-11713/92; A-319)
370.603	n	(P-11713/92; A-319)
370.604	n	(P-11713/92; A-319)
370.605	n	(P-11713/92; A-319)
370.701	n	(P-11713/92; A-319)
370.702	n	(P-11713/92; A-319)
370.703	n	(P-11713/92; A-319)
370.704	n	(P-11713/92; A-319)
370.705	n	(P-11713/92; A-319)
370.706	n	(P-11713/92; A-319)
370.707	n	(P-11713/92; A-319)
370.801	n	(P-11713/92; A-319)
370.802	n	(P-11713/92; A-319)
370.901	n	(P-11713/92; A-319)
370.902	n	(P-11713/92; A-319)
370.903	n	(P-11713/92; A-319)
370.904	n	(P-11713/92; A-319)
370.1001	n	(P-11713/92; A-319)
370.1002	n	(P-11713/92; A-319)
370.1003	n	(P-11713/92; A-319)
370.1004	n	(P-11713/92; A-319)
370.1005	n	(P-11713/92; A-319)
370.1006	n	(P-11713/92; A-319)
370.1007	n	(P-11713/92; A-319)
370.1101	n	(P-11713/92; A-319)
600.50	am	(P-19834)
700.100	n	(P-4530)
700.110	n	(P-4530)
700.200	n	(P-4530)
700.205	n	(P-4530)
700.207	n	(P-4530)
700.209	n	(P-4530)
700.211	n	(P-4530)
700.213	n	(P-4530)
700.220	n	(P-4530)
700.221	n	(P-4530)
700.223	n	(P-4530)
700.224	n	(P-4530)
700.225	n	(P-4530)
700.226	n	(P-4530)

700.227	n	(P-4530)
700.228	n	(P-4530)
700.250	n	(P-4530)
700.252	n	(P-4530)
700.260	n	(P-4530)
700.265	n	(P-4530)
700.270	n	(P-4530)
700.275	n	(P-4530)
700.280	n	(P-4530)

TITLE 50

802.10	am	(P-44; A-6783) (E-163)
802.20	am	(P-44; A-6783) (E-163)
802.30	am	(P-44; A-6783) (E-163)
802.40	am	(P-44; A-6783) (E-163)
802.50	am	(P-44; A-6783) (E-163)
802.60	am	(P-44; A-6783) (E-163)
802.70	am	(P-44; A-6783) (E-163)
802.80	am	(P-44; A-6783) (E-163)
805.10	am	(P-42; A-6775) (E-154)
805.20	am	(P-42; A-6775) (E-154)
805.30	am	(P-42; A-6775) (E-154)
805.40	am	(P-42; A-6775) (E-154)
805.50	am	(P-42; A-6775) (E-154)
805.60	am	(P-42; A-6775) (E-154)
805.70	am	(P-42; A-6775) (E-154)
904.20	am	(P-3993; A-15584)
916.10	am	(P-5992; A-15853)
916.20	am	(P-5992; A-15853)
916.30	am	(P-5992; A-15853)
916.40	am	(P-5992; A-15853)
916.50	am	(P-5992; A-15853)
916.Ex.B	am	(P-5992; A-15853)
916.Ex.C	n	(P-5992; A-15853)
916.1l.A	n	(P-5992; A-15853)
916.1L.B	n	(P-5992; A-15853)
916.1L.C	n	(P-5992; A-15853)
920.10	r	(P-2530; A-15831)
920.20	r	(P-2530; A-15831)
927.10	am	(P-2106; A-15834)
927.20	am	(P-2106; A-15834)
927.30	am	(P-2106; A-15834)
932.20	am	(P-7279/92; O-1240; M-6893)
932.40	am	(P-7279/92; O-1240; M-6893; A-6768)
932.60	am	(P-7279/92; O-1240; M-6893; A-6768)
939.10	am	(P-4768; A-15838)
939.20	am	(P-4768; A-15838)
939.30	am	(P-4768; A-15838)
939.1l.A	am	(P-4768; A-15838)
939.1l.B	am	(P-4768; A-15838)
939.1l.C	am	(P-4768; A-15838)
939.1l.D	am	(P-4768; A-15838)
939.1l.E	am	(P-4768; A-15838)
939.1l.F	am	(P-4768; A-15838)
1103.10	n	(P-8411)
1103.20	n	(P-8411)
1103.30	n	(P-8411)
1103.40	n	(P-8411)
1103.50	n	(P-8411)
1103.Ex.A	n	(P-8411)
1250.10	n	(P-3985)
1250.20	n	(P-3985)
1250.30	n	(P-3985)
1250.40	n	(P-3985)
1408.10	n	(P-8735/92; A-4195)
1408.20	n	(P-8735/92; A-4195)
1408.30	n	(P-8735/92; A-4195)
1408.40	n	(P-8735/92; A-4195)
1408.50	n	(P-8735/92; A-4195)
1408.60	n	(P-8735/92; A-4195)
1408.70	n	(P-8735/92; A-4195)
1408.80	n	(P-8735/92; A-4195)
1408.90	n	(P-8735/92; A-4195)
1408.1l.A	n	(P-8735/92; A-4195)
2008.73	am	(P-18917/92; A-11469)
2012.10	am	(P-11279)
2012.20	am	(P-11279)
2012.25	am	(P-11279)
2012.30	am	(P-11279)
2012.40	am	(P-11279)
2012.50	am	(P-11279)
2012.55	am	(P-11279)
2012.60	am	(P-11279)
2012.65	am	(P-11279)
2012.70	am	(P-11279)
2012.80	am	(P-11279)
2012.90	am	(P-11279)
2012.95	am	(P-11279)
2012.100	am	(P-11279)
2012.110	am	(P-11279)
2012.115	am	(P-11279)
2012.120	am	(P-11279)
2012.122	am	(P-11279)

2012.124	am	(P-11279)
2012.126	am	(P-11279)
2012.130	am	(P-11279)
2012.140	am	(P-11279)
2012.150	am	(P-11279)
2012.Ex.D	am	(P-11279)
2013.10	am	(P-10375/92; A-1525)
2013.20	am	(P-10375/92; A-1525)
2013.30	am	(P-10375/92; A-1525)
2013.40	am	(P-10375/92; A-1525)
2013.50	am	(P-10375/92; A-1525)
2013.60	am	(P-10375/92; A-1525)
2013.70	am	(P-10375/92; A-1525)
2015.10	n	(P-696; A-8170)
2015.20	n	(P-696; A-8170)
2015.30	n	(P-696; A-8170)
2015.40	n	(P-696; A-8170)
2015.50	n	(P-696; A-8170)
2015.60	n	(P-696; A-8170)
6201.70	am	(P-14073)
6201.75	n	(P-14073)
7020.80	am	(P-14511/92; A-2206)

TITLE 56

350.280	am	(P-3780/92; O-180; R-1239; A-1074) (E-7072)
2520.700	#	(P-10; A-15556)
2520.700	am	(P-10; A-15556)
2520.710	am	(P-10; A-15556)
2520.720	am	(P-10; A-15556)
2520.730	am	(P-10; A-15556)
2520.740	#	(P-10; A-15556)
2520.750	r	(P-10; A-15556)
2520.760	am	(P-10; A-15556)
2520.770	am	(P-10; A-15556)
2520.780	am	(P-10; A-15556)
2520.790	am	(P-10; A-15556)
2520.795	am	(P-10; A-15556)
2520.797	am	(P-10; A-15556)
2520.Ap.A	am	(P-10; A-15556)
2600.50	am	(P-7120/92; A-6483)
2650.10	am	(P-20063)
2650.20	am	(P-20063)
2650.30	am	(P-20063)
2650.40	am	(P-20063)
2650.50	am	(P-20063)
2650.110	am	(P-20063)
2650.120	am	(P-20063)
2650.130	am	(P-20063)
2650.140	am	(P-20063)
2650.210	r	(P-20063)
2650.220	r	(P-20063)
2650.230	r	(P-20063)
2650.240	r	(P-20063)
2650.250	r	(P-20063)
2650.310	am	(P-20063)
2650.320	am	(P-20063)
2650.330	am	(P-20063)
2650.340	am	(P-20063)
2650.350	r	(P-20063)
2712.201	am	(P-17853/92; A-3194)
2712.203	am	(P-17853/92; A-3194)
2712.205	am	(P-17853/92; A-3194)
2712.207	am	(P-17853/92; A-3194)
2720.100	am	(P-6919; A-17937)
2720.110	r	(P-6919; A-17937)
2720.115	am	(P-6919; A-17937)
2720.135	am	(P-6919; A-17937)
2720.145	am	(P-6919; A-17937)
2720.300	am	(P-16313)
2732.225	n	(P-211; A-8809)
2732.227	n	(P-211; A-8809)
2732.230	n	(P-5985; A-17947)
2760.126	n	(E-13798)
2760.140	am	(P-16319)
2765.5	am	(P-12006/92; A-308)
2765.50	am	(P-12006/92; A-308)
2765.64	n	(P-12006/92; A-308)
2765.66	am	(P-12006/92; A-308)
2765.70	r	(P-12006/92; A-308)
2765.70	n	(P-12006/92; A-308)
2765.71	n	(P-2523; A-10275)
2765.72	n	(E-13801)
2765.74	n	(P-12006/92; A-308)
2765.75	am	(P-12006/92; A-308)
2765.328	am	(P-15638/92; A-614)
2765.329	n	(P-15638/92; A-614)
2765.330	n	(P-15638/92; A-614)
2765.333	am	(P-15638/92; A-614)
2765.334	am	(P-15638/92; A-614)
2765.335	am	(P-15638/92; A-614)
2770.100	am	(P-15625/92; A-295) (P-17628)
2770.105	am	(P-15625/92; A-295) (P-17628)

2770.110	am	(P-15625/92; A-295)
		(P-17628)
2840.25	n	(P-886; A-10270)
2840.125	n	(P-8403; A-17929)
2865.1	am	(P-6907; A-17917)
2865.50	am	(P-6907; A-17917)
2865.60	am	(P-6907; A-17917)
2865.115	am	(P-6907; A-17917)
2865.130	am	(P-19421)
2865.210	am	(P-6907; A-17917)
2865.215	am	(P-6907; A-17917)
2915.40	n	(P-19415)
2915.43	n	(P-19415)
2915.45	n	(P-19415)
2915.47	n	(P-19415)
2920.65	am	(P-19427)
2920.70	am	(P-19427)
2920.75	am	(P-19427)
6000.120	am	(P-3922; RC-14185; A-14910)

TITLE 59

101.75	n	(P-10688)
103.10	am	(P-14078/92; A-10282)
103.11	n	(P-14078/92; A-10282)
103.15	n	(P-14078/92; A-10282)
103.20	am	(P-14078/92; A-10282)
103.25	n	(P-14078/92; A-10282)
103.30	n	(P-14078/92; A-10282)
103.40	r	(P-14078/92; A-10282)
103.50	am	(P-14078/92; A-10282)
103.60	n	(P-14078/92; A-10282)
103.65	am	(P-14078/92; A-10282)
103.70	am	(P-14078/92; A-10282)
103.80	am	(P-14078/92; A-10282)
103.90	am	(P-14078/92; A-10282)
103.95	n	(P-14078/92; A-10282)
103.100	am	(P-14078/92; A-10282)
103.110	am	(P-14078/92; A-10282)
103.120	am	(P-14078/92; A-10282)
103.130	am	(P-14078/92; A-10282)
103.140	r	(P-14078/92; A-10282)
103.150	am	(P-14078/92; A-10282)
103.160	am	(P-14078/92; A-10282)
103.165	n	(P-14078/92; A-10282)
103.170	am	(P-14078/92; A-10282)
103.180	am	(P-14078/92; A-10282)
103.190	am	(P-14078/92; A-10282)
103.200	r	(P-14078/92; A-10282)
103.210	n	(P-14078/92; A-10282)
119.120	am	(P-6397)
119.260	am	(P-6397)
119.270	n	(P-6397)
119.300	am	(P-6397)
121.10	n	(P-15715/92; RC-3689; A-4261)
121.15	n	(P-15715/92; RC-3689; A-4261)
121.20	n	(P-15715/92; RC-3689; A-4261)
121.25	n	(P-15715/92; RC-3689; A-4261)
121.30	n	(P-15715/92; RC-3689; A-4261)
121.35	n	(P-15715/92; RC-3689; A-4261)
121.40	n	(P-15715/92; RC-3689; A-4261)
121.45	n	(P-15715/92; RC-3689; A-4261)
121.50	n	(P-15715/92; RC-3689; A-4261)
121.55	n	(P-15715/92; RC-3689; A-4261)
121.60	n	(P-15715/92; RC-3689; A-4261)
121.65	n	(P-15715/92; RC-3689; A-4261)
121.70	n	(P-15715/92; RC-3689; A-4261)
121.75	n	(P-15715/92; RC-3689; A-4261)
121.80	n	(P-15715/92; RC-3689; A-4261)
121.85	n	(P-15715/92; RC-3689; A-4261)
121.90	n	(P-15715/92; RC-3689; A-4261)
121.95	n	(P-15715/92; RC-3689; A-4261)
121.100	n	(P-15715/92; RC-3689; A-4261)
121.105	n	(P-15715/92; RC-3689; A-4261)
121.110	n	(P-15715/92; RC-3689; A-4261)

121.115	n	(P-15715/92; RC-3689; A-4261)
121.120	n	(P-15715/92; RC-3689; A-4261)
121.130	n	(P-15715/92; RC-3689; A-4261)
121.135	n	(P-15715/92; RC-3689; A-4261)
121.140	n	(P-15715/92; RC-3689; A-4261)
121.145	n	(P-15715/92; RC-3689; A-4261)
121.Ap.A	n	(P-15715/92; RC-3689; A-4261)
122.10	n	(P-15691/92; RC-3688; A-4236)
122.15	n	(P-15691/92; RC-3688; A-4236)
122.20	n	(P-15691/92; RC-3688; A-4236)
122.25	n	(P-15691/92; RC-3688; A-4236)
122.30	n	(P-15691/92; RC-3688; A-4236)
122.31	n	(P-15691/92; RC-3688; A-4236)
122.35	n	(P-15691/92; RC-3688; A-4236)
122.40	n	(P-15691/92; RC-3688; A-4236)
122.45	n	(P-156091/92; RC-3688; A-4236)
122.50	n	(P-15691/92; RC-3688; A-4236)
122.55	n	(P-15691/92; RC-3688; A-4236)
122.60	n	(P-15691/92; RC-3688; A-4236)
122.65	n	(P-15691/92; RC-3688; A-4236)
122.70	n	(P-15691/92; RC-3688; A-4236)
122.75	n	(P-15691/92; RC-3688; A-4236)
122.80	n	(P-15691/92; RC-3688; A-4236)
122.85	n	(P-15691/92; RC-3688; A-4236)
122.Ap.A	n	(P-15691/92; RC-3688; A-4236)
400.10	n	(P-11996; A-11151)
400.20	n	(P-11996; A-11151)
400.30	n	(P-11996; A-11151)
400.40	n	(P-11996; A-11151)
400.50	n	(P-11996; A-11151)
400.60	n	(P-11996; A-11151)
400.70	n	(P-11996; A-11151)
400.80	n	(P-11996; A-11151)
400.90	n	(P-11996; A-11151)
400.100	n	(P-11996; A-11151)
400.110	n	(P-11996; A-11151)
400.120	n	(P-11996; A-11151)

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240.131	n	(P-13722/92; A-2217)
240.132	n	(P-13722/92; A-2217)
240.133	n	(P-13722/92; A-2217)
240.160	am	(P-13722/92; A-2217)
240.170	am	(P-13722/92; A-2217)
240.180	am	(P-13722/92; A-2217)
240.190	am	(P-13722/92; A-2217)
240.195	am	(P-13722/92; A-2217)
240.800	n	(P-19440/92; A-19923)
240.805	r,n	(P-19440/92; A-19923)
240.810	r,n	(P-19440/92; A-19923)
240.820	r,n	(P-19440/92; A-19923)
240.830	r,n	(P-19440/92; A-19923)
240.840	r,n	(P-19440/92; A-19923)
240.850	r,n	(P-19440/92; A-19923)
240.860	r,n	(P-19440/92; A-19923)
240.870	r,n	(P-19440/92; A-19923)
240.880	r,n	(P-19440/92; A-19923)
240.890	r,n	(P-19440/92; A-19923)
240.895	n	(P-19440/92; A-19923)
240.905	n	(P-19440/92; A-19923)
240.906	n	(P-19440/92; A-19923)
240.910	r,n	(P-19440/92; A-19923)
240.920	r,n	(P-19440/92; A-19923)
240.925	n	(P-19440/92; A-19923)
240.930	r,n	(P-19440/92; A-19923)
240.940	r,n	(P-19440/92; A-19923)
240.950	r,n	(P-19440/92; A-19923)
240.960	r	(P-19440/92; A-19923)
240.970	r	(P-19440/92; A-19923)
240.980	r	(P-19440/92; A-19923)

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240.985	r	(P-19440/92; A-19923)
240.990	r	(P-19440/92; A-19923)
240.1181	n	(P-19440/92; A-19923)
240.1200	am	(E-1195)
240.1200	n	(P-3771; A-14097)
240.1205	n	(P-3771; A-14097)
240.1210	n	(P-3771; A-14097)
240.1220	n	(P-3771; A-14097)
240.1230	n	(P-3771; A-14097)
240.1240	n	(P-3771; A-14097)
240.1250	n	(P-3771; A-14097)
240.1260	n	(P-3771; A-14097)
240.1270	n	(P-3771; A-14097)
240.1280	n	(P-3771; A-14097)
240.1400	am	(P-19923)
240.1410	am	(P-19923)
240.1420	am	(P-19923)
240.1430	am	(P-19923)
240.1450	am	(P-19923)
240.1460	am	(P-19923)
1701.Ap.A	am	(P-10644/92; A-10947)
1702.11	am	(P-10631/92; A-10936)
1702.12	am	(P-10631/92; A-10936)
1702.17	am	(P-10631/92; A-10936)
1702.18	am	(P-10631/92; A-10936)
1705.21	am	(P-10790/92; A-11080)
1761.11	am	(P-10596/92; A-10909)
1761.12	am	(P-10596/92; A-10909)
1764.19	am	(P-10831/92; A-11114)
1772.12	am	(P-10762/92; A-11058)
1773.13	am	(P-10768/92; A-11063)
1773.15	am	(P-10768/92; A-11063)
1773.20	am	(P-10768/92; A-11063)
1773.21	am	(P-10768/92; A-11063)
1774.11	am	(P-10793/92; A-11083)
1774.13	am	(P-10793/92; A-11083)
1774.15	am	(P-10793/92; A-11083)
1775.1	r	(P-10590/92; A-10907)
1775.11	r	(P-10590/92; A-10907)
1775.13	r	(P-10590/92; A-10907)
1777.17	am	(P-10640/92; A-10943)
1778.15	am	(P-10758/92; A-11027)
1779.19	am	(P-10835/92; A-11118)
1780.21	am	(P-10839/92; A-11122)
1780.33	am	(P-10839/92; A-11122)
1780.38	am	(P-10839/92; A-11122)
1783.19	am	(P-10849/92; A-11131)
1784.14	am	(P-10853/92; A-11135)
1784.18	am	(P-10853/92; A-11135)
1784.27	r	(P-10853/92; A-11135)
1785.13	am	(P-10784/92; A-11075)
1800.11	am	(P-10607/92; A-10916)
1800.40	am	(P-10607/92; A-10916)
1800.50	am	(P-10607/92; A-10916)
1816.42	am	(P-10695/92; A-11001)
1816.43	am	(P-10695/92; A-11001)
1816.49	am	(P-10695/92; A-11001)
1816.84	am	(P-10695/92; A-11001)
1816.116	am	(P-10695/92; A-11001)
1816.117	am	(P-10695/92; A-11001)
1816.151	am	(P-10695/92; A-11001)
1817.42	am	(P-10726/92; A-11031)
1817.43	am	(P-10726/92; A-11031)
1817.49	am	(P-10726/92; A-11031)
1817.84	am	(P-10726/92; A-11031)
1817.116	am	(P-10726/92; A-11031)
1817.117	am	(P-10726/92; A-11031)
1817.151	am	(P-10726/92; A-11031)
1817.182	am	(P-10726/92; A-11031)
1827.12	am	(P-10803/92; A-11091)
1843.12	am	(P-10807/92; A-11095)
1843.13	am	(P-10807/92; A-11095)
1843.14	am	(P-10807/92; A-11095)
1843.15	am	(P-10807/92; A-11095)
1843.16	r	(P-10807/92; A-11095)
1843.17	r	(P-10807/92; A-11095)
1843.20	r	(P-10807/92; A-11095)
1843.21	r	(P-10807/92; A-11095)
1845.12	am	(P-10619/92; A-10926)
1845.13	am	(P-10619/92; A-10926)
1845.17	am	(P-10619/92; A-10926)
1845.18	am	(P-10619/92; A-10926)
1845.19	r	(P-10619/92; A-10926)
1845.20	am	(P-10619/92; A-10926)
1846.17	am	(P-10691/92; A-10997)
1846.18	am	(P-10691/92; A-10997)
1847.1	n	(P-10596/92; A-10887)
1847.2	n	(P-10596/92; A-10887)
1847.3	n	(P-10596/92; A-10887)
1847.4	n	(P-10596/92; A-10887)
1847.5	n	(P-10596/92; A-10887)
1847.6	n	(P-10596/92; A-10887)
1847.7	n	(P-10596/92; A-10887)
1847.8	n	(P-10596/92; A-10887)
1847.9	n	(P-10596/92; A-10887)
1848.1	n	(P-10669/92; A-10973)

1848.2	n	(P-10669/92; A-10973)
1848.3	n	(P-10669/92; A-10973)
1848.5	n	(P-10669/92; A-10973)
1848.6	n	(P-10669/92; A-10973)
1848.7	n	(P-10669/92; A-10973)
1848.8	n	(P-10669/92; A-10973)
1848.9	n	(P-10669/92; A-10973)
1848.11	n	(P-10669/92; A-10973)
1848.12	n	(P-10669/92; A-10973)
1848.13	n	(P-10669/92; A-10973)
1848.15	n	(P-10669/92; A-10973)
1848.16	n	(P-10669/92; A-10973)
1848.17	n	(P-10669/92; A-10973)
1848.18	n	(P-10669/92; A-10973)
1848.19	n	(P-10669/92; A-10973)
1848.20	n	(P-10669/92; A-10973)
1848.21	n	(P-10669/92; A-10973)
1848.22	n	(P-10669/92; A-10973)
1480.130	am	(P-4149; A-11162)
1480.150	am	(P-4149; A-11162)
1480.190	am	(P-4149; A-11162)

TITLE 68

590.5	am	(P-14765)
590.30	am	(P-14765)
610.10	am	(P-14775)
610.20	r	(P-14775)
610.30	am	(P-14775)
610.40	am	(P-14775)
610.60	am	(P-14775)
750.1010	am	(P-15056/92; A-417)
750.3000	am	(P-15056/92; A-417)
750.3010	am	(P-15056/92; A-417)
750.3055	am	(P-15056/92; A-417)
750.4000	am	(P-15056/92; A-417)
750.4010	am	(P-15056/92; A-417)
1150.10	n	(P-11337)
1150.20	am	(P-11337)
1150.40	am	(P-17042/92; A-1554)
1150.85	n	(P-11337)
1150.Ap.A	n	(P-11337)
1175.100	a	(P-20217)
1175.1000	n	(P-20217)
1175.1001	n	(P-20217)
1175.1005	n	(P-20217)
1175.1010	n	(P-20217)
1175.1020	n	(P-20217)
1175.1025	n	(P-20217)
1175.1030	n	(P-20217)
1175.1035	n	(P-20217)
1175.1100	n	(P-20217)
1175.1105	n	(P-20217)
1175.1110	n	(P-20217)
1175.1115	n	(P-20217)
1175.1120	n	(P-20217)
1175.1125	n	(P-20217)
1175.1130	n	(P-20217)
1175.1135	n	(P-20217)
1175.1140	n	(P-20217)
1175.1145	n	(P-20217)
1175.1150	n	(P-20217)
1175.1155	n	(P-20217)
1175.1160	n	(P-20217)
1175.1165	n	(P-20217)
1175.1170	n	(P-20217)
1175.1175	n	(P-20217)
1175.1200	n	(P-20217)
1175.1205	n	(P-20217)
1175.1210	n	(P-20217)
1175.1215	n	(P-20217)
1210.10	am	(P-16374/92; A-1535)
1210.20	am	(P-16374/92; A-1535)
1210.25	n	(P-16374/92; A-1535)
1210.30	r	(P-16374/92; A-1535)
1210.40	r	(P-16374/92; A-1535)
1210.50	r	(P-16374/92; A-1535)
1210.60	am	(P-16374/92; A-1535)
1210.70	am	(P-16374/92; A-1535)
1210.80	am	(P-16374/92; A-1535)
1210.90	am	(P-16374/92; A-1535)
1210.100	r	(P-16374/92; A-1535)
1210.105	n	(P-16374/92; A-1535)
1210.110	am	(P-16374/92; A-1535)
1210.120	r	(P-16374/92; A-1535)
1210.130	r	(P-16374/92; A-1535)
1210.140	am	(P-16374/92; A-1535)
1210.150	am	(P-16374/92; A-1535)
1210.160	am	(P-16374/92; A-1535)
1210.170	am	(P-16374/92; A-1535)
1210.180	am	(P-16374/92; A-1535)
1210.190	am	(P-16374/92; A-1535)
1210.200	r	(P-16374/92; A-1535)
1210.210	r	(P-16374/92; A-1535)
1210.220	r	(P-16374/92; A-1535)
1210.230	r	(P-16374/92; A-1535)
1210.235	am	(P-16374/92; A-1535)

1210.240	am	(P-16374/92; A-1535)
1210.250	r	(P-16374/92; A-1535)
1220.100	n	(P-8127; A-15890)
		(E-8309)
1220.110	am	(P-8127; A-15890)
		(E-8309)
1220.120	am	(P-8127; A-15890)
		(E-8309)
1220.160	am	(P-15762/92; A-1559)
1220.170	n	(P-15762/92; A-1559)
1220.220	am	(P-8127; A-15890)
		(E-8309)
1220.240	am	(P-8127)
1220.260	am	(P-15762/92; A-1559)
1220.270	n	(P-15762/92; A-1559)
1220.360	n	(P-15762/92; A-1559)
1220.435	r	(P-15762/92; A-1559)
1220.440	n	(P-15762/92; A-1559)
1220.525	n	(P-15762/92; A-1559)
1220.Ap.B	am	(P-1708)
1220.Ap.C	am	(P-1708)
1240.5	r	(P-15775/92; A-1579)
1240.10	am	(P-15775/92; A-1579)
1240.15	am	(P-15775/92; A-1579)
1240.50	am	(P-15775/92; A-1579)
1240.51	am	(P-15775/92; A-1579)
1250.110	am	(P-11315; A-19132)
1250.120	am	(P-11315; A-19132)
1250.130	am	(P-11315; A-19132)
1250.135	am	(P-11315; A-19132)
1250.140	am	(P-11315; A-19132)
1250.150	am	(P-11315; A-19132)
1250.155	am	(P-11315; A-19132)
1250.160	am	(P-11315; A-19132)
1250.170	am	(P-11315; A-19132)
1250.200	am	(P-11315; A-19132)
1250.205	am	(P-11315; A-19132)
1250.210	am	(P-11315; A-19132)
1250.220	am	(P-11315; A-19132)
1270.5	am	(P-14550)
1270.10	am	(P-14550)
1270.13	am	(P-14550)
1285.20	am	(P-9624; A-17191)
1285.50	am	(P-9624; A-17191)
1285.60	am	(P-9624; A-17191)
1285.70	am	(P-9624; A-17191)
1285.80	am	(P-9624; A-17191)
1285.90	am	(P-9624; A-17191)
1285.91	n	(P-9624; A-17191)
1285.100	am	(P-9624; A-17191)
1285.101	n	(P-9624; A-17191)
1300.48	am	(P-16484/92; A-1572)
1310.30	am	(P-8139; A-17220)
1310.60	am	(P-8139; A-17220)
1320.30	am	(P-6729; A-18096)
1320.40	am	(P-6729; A-18096)
1320.50	am	(P-6729; A-18096)
1320.70	am	(P-6729; A-18096)
1320.80	am	(P-6729; A-18096)
1320.100	am	(P-6729; A-18096)
1320.300	am	(P-14559)
1340.40	am	(P-8444; A-14606)
1340.60	am	(P-8444; A-14606)
1430.3010	am	(P-4141; A-13487)
1430.3020	am	(P-4141; A-13487)
1430.5030	am	(P-4141; A-13487)
1430.5050	am	(P-4141; A-13487)
1455.10	n	(P-15785/92; A-1589)
1455.15	n	(P-15785/92; A-1589)
1455.15	am	(P-16379)
1455.20	n	(P-15785/92; A-1589)
1455.30	n	(P-15785/92; A-1589)
1455.30	am	(P-6612) (E-6668)
		(P-16379)
1455.40	n	(P-15785/92; A-1589)
1455.50	n	(P-15785/92; A-1589)
1455.60	n	(P-15785/92; A-1589)
1455.70	n	(P-15785/92; A-1589)
1455.200	n	(P-15785/92; A-1589)
1455.200	am	(P-16379)
1455.205	n	(P-16379)
1455.210	n	(P-15785/92; A-1589)
		(P-16379)
1455.300	n	(P-15785/92; A-1589)
		(P-6612; A-13494)
		(P-16379)
1455.310	n	(P-15785/92; A-1589)
1465.10	r	(P-890)
1465.30	am	(P-890)
1465.35	n	(P-890)
1465.36	n	(P-890)
1465.80	n	(P-890)
1465.90	am	(P-890)
1470.5	r	(P-8435)
1470.7	r	(P-8435)
1470.20	am	(P-8435)

1470.80	am	(P-8435)
1470.90	am	(P-8435)
1480.130	am	(P-4149)
1480.150	am	(P-4149)
1480.190	am	(P-4149)

TITLE 71

500.10	n	(P-3917; A-17908)
500.20	n	(P-3917; A-17908)
500.30	n	(P-3917; A-17908)
500.40	n	(P-3917; A-17908)
500.50	n	(P-3917; A-17908)
500.60	n	(P-3917; A-17908)
500.70	n	(P-3917; A-17908)
500.80	n	(P-3917; A-17908)

TITLE 74

330.10	n	(P-10686) (E-11170)
330.20	n	(P-10686) (E-11170)
330.30	n	(P-10686) (E-11170)
330.40	n	(P-10686) (E-11170)
330.50	n	(P-10686) (E-11170)
330.60	n	(P-10686) (E-11170)
330.70	n	(P-10686) (E-11170)
330.80	n	(P-10686) (E-11170)
330.90	n	(P-10686) (E-11170)
330.100	n	(P-10686) (E-11170)
330.110	n	(P-10686) (E-11170)
330.120	n	(P-10686) (E-11170)
330.130	n	(P-10686) (E-11170)
330.140	n	(P-10686) (E-11170)
730.10	n	(PP-1671; O-3057)
730.10	r	(P-3831; A-9999)
730.20	n	(P-3831; A-9999)
730.30	n	(P-3831; A-9999)
730.40	n	(P-3831; A-9999)
740.5	n	(P-585; A-6663)
740.10	am	(P-585; A-6663)
740.20	am	(P-585; A-6663)
740.30	n	(P-585; A-6663)
750.10	r	(P-762; A-9079)
750.10	n	(P-777; A-9081)
750.20	r	(P-762; A-9079)
750.20	n	(P-777; A-9081)
750.30	r	(P-762; A-9079)
750.30	n	(P-777; A-9081)
750.40	r	(P-762; A-9079)
750.40	n	(P-777; A-9081)
750.41	r	(P-762; A-9079)
750.50	r	(P-762; A-9079)
750.50	n	(P-777; A-9081)
750.60	r	(P-762: A-0979)
750.60	n	(P-777; A-9081)
750.70	r	(P-762; A-9079)
750.70	n	(P-777; A-9081)
750.80	r	(P-762; A-9079)
750.80	n	(P-777; A-9081)
750.90	r	(P-762; A-9079)
750.90	n	(P-777; A-9081)
750.100	r	(P-762; A-9079)
750.100	n	(P-777; A-9081)
750.110	r	(P-762; A-9079)
750.110	n	(P-777; A-9081)
750.120	r	(P-762; A-9079)
750.120	n	(P-777; A-9081)
750.130	r	(P-762; A-9079)
750.130	n	(P-777; A-9081)
750.140	r	(P-762; A-9079)
750.140	n	(P-777; A-9081)
750.150	n	(P-777; A-9081)
750.Ap.A	r	(P-762; A-9079)
750.Ap.A	n	(P-777; A-9081)
750.Ap.B	r	(P-762; A-9079)
750.Ap.B	n	(P-777; A-9081)
750.Ap.C	r	(P-762; A-9079)
750.Ap.C	n	(P-777; A-9081)
750.Ap.D	n	(P-777; A-9081)
900	n	(P-10677) (E-11168)

TITLE 77

100.1	am	(P-12153)
100.2	am	(P-12153)
100.3	am	(P-12153)
100.4	am	(P-12153)
100.5	am	(P-12153)
100.6	am	(P-12153)
100.7	am	(P-12153)
100.8	am	(P-12153)
100.9	am	(P-12153)
100.10	am	(P-12153)
100.11	am	(P-12153)
100.12	am	(P-12153)
100.13	am	(P-12153)
100.14	am	(P-12153)
100.15	am	(P-12153)
100.16	am	(P-12153)

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100.17	am	(P-12153)
100.18	n	(P-12153)
100.19	n	(P-12153)
205.350	am	(P-16414)
205.620	am	(P-3426/92; A-3507)
245.40	am	(P-747)
250.510	am	(P-15757)
250.520	am	(P-15757)
250.530	r	(P-15757)
250.540	r	(P-15757)
250.550	r	(P-15757)
250.1510	am	(P-20032/92; A-17225)
250.2720	n	(P-2016/92; A-1614)
270.1000	n	(P-9654)
270.1050	n	(P-9654)
270.1100	n	(P-9654)
270.1200	n	(P-9654)
270.1300	n	(P-9654)
270.1400	n	(P-9654)
270.1500	n	(P-9654)
270.1600	n	(P-9654)
270.1700	n	(P-9654)
270.1800	n	(P-9654)
270.1900	n	(P-9654)
270.2000	n	(P-9654)
270.2100	n	(P-9654)
270.2200	n	(P-9654)
270.2300	n	(P-9654)
300.120	am	(P-12205)
300.140	am	(P-12205)
300.150	am	(P-12205)
300.160	am	(P-12205)
300.175	am	(P-1346; A-19279)
300.180	am	(P-1346; A-19279)
300.260	am	(E-2420) (P-6074; A-15106)
300.270	am	(P-1346; A-19279)
300.271	n	(E-2420) (P-6074; A-15106)
300.278	am	(E-2420) (P-6074; A-15106)
300.282	am	(P-12205)
300.290	am	(E-2420) (P-6074; A-15106)
300.330	am	(E-8026) (P-10225; A-19604)
300.630	am	(P-1346; A-19279) (P-17555/92; A-21058)
300.660	am	(P-1346; A-19279)
300.665	am	(P-1346; A-19279)
300.1035	n	(P-16541/92; A-16194)
300.2860	am	(P-12205)
300.3210	am	(P-1346; A-19279)
300.3330	am	(P-1346; A-19279)
330.120	am	(P-12188)
330.140	am	(P-12188)
330.150	am	(P-12188)
330.160	am	(P-12188)
330.175	am	(P-1321; A-19258)
330.180	am	(P-1321; A-19258)
330.260	am	(E-2405) (P-6059; A-15089)
330.270	am	(P-1321; A-19258)
330.271	n	(E-2405) (P-6059; A-15089)
330.278	am	(E-2405) (P-6059; A-15089)
330.282	am	(P-12188)
330.290	am	(E-2405) (P-6059; A-15089)
330.330	am	(E-8000) (P-10198; A-19576)
330.730	am	(P-1321; A-19258) (P-17540/92; A-21044)
330.916	r	(P-1321; A-19258)
330.1125	n	(P-16531/92; A-16180)
330.4210	am	(P-1321; A-19258)
330.4330	am	(P-1321; A-19258)
350.110	am	(P-12104)
350.120	am	(P-12104)
350.140	am	(P-12104)
350.150	am	(P-12104)
350.160	am	(P-12104)
350.175	am	(P-1269; A-19210)
350.180	am	(P-1269; A-19210)
350.260	am	(E-2373) (P-6028; A-15056)
350.270	am	(P-1269; A-19210)
350.271	n	(E-2373) (P-6028; A-15056)
350.278	am	(E-2373) (P-6028; A-15056)
350.282	am	(P-12104)
350.290	am	(E-2373) (P-6028; A-15056)
350.330	am	(E-7948) (P-10144;

		A-19517)
350.640	am	(P-1269; A-19210) (P-17500/92; A-21017)
350.680	am	(P-1269; A-19210)
350.685	am	(P-1269; A-19210)
350.1235	n	(P-15044/92; A-16153)
350.2660	am	(P-12104)
350.3210	am	(P-1269; A-19210)
350.3330	am	(P-1269; A-19210)
350.3730	am	(P-4791/92; A-2351) (P-8781; A-19517) (E-9105)
350.Ap.A	r	(P-1269; A-19210)
370.520	am	(P-8793; A-19509) (E-9117)
390.110	am	(P-12128)
390.120	am	(P-12128)
390.140	am	(P-12128)
390.150	am	(P-12128)
390.160	am	(P-12128)
390.175	am	(P-1296; A-19235)
390.180	am	(P-1296; A-19235)
390.260	am	(E-2390) (P-6044; A-15073)
390.270	am	(P-1296; A-19235)
390.271	n	(E-2390) (P-6044; A-15073)
390.278	am	(E-2390) (P-6044; A-15073)
390.282	am	(P-12128)
390.290	am	(E-2390) (P-6044; A-15073)
390.330	am	(E-7974) (P-10171; A-19547)
390.640	am	(P-1296; A-19235) (P-17515/92; A-21031)
390.680	am	(P-1296; A-19235)
390.685	am	(P-1296; A-19235)
390.1025	n	(P-16520/92; A-16167)
390.2660	am	(P-12128)
390.3210	am	(P-1296; A-19235)
390.3330	am	(P-1296; A-19235)
395.100	am	(P-8066/92; A-2984)
395.110	am	(P-8066/92; A-2984)
395.120	am	(P-8066/92; A-2984)
395.130	am	(P-8066/92; A-2984)
395.140	am	(P-8066/92; A-2984)
395.150	am	(P-8066/92; A-2984)
395.160	am	(P-8066/92; A-2984)
395.170	am	(P-8066/92; A-2984)
395.175	n	(P-8066/92; A-2984)
395.180	am	(P-8066/92; A-2984)
395.190	am	(P-8066/92; A-2984)
395.200	r	(P-8066/92; A-2984)
395.300	am	(P-8066/92; A-2984)
395.400	am	(P-8066/92; A-2984)
505.10	n	(P-13406) (E-13631)
505.20	n	(P-13406) (E-13631)
505.30	n	(P-13406) (E-13631)
505.40	n	(P-13406) (E-13631)
505.50	n	(P-13406) (E-13631)
505.Ap.A	n	(P-13406) (E-13631)
535.10	am	(P-10911/92; A-8196)
535.20	am	(P-10911/92; A-8196)
535.100	am	(P-10911/92; A-8196)
535.150	am	(P-10911/92; A-8196) (P-19846)
535.160	n	(P-19846)
535.200	am	(P-10911/92; A-8196)
535.210	am	(P-10911/92; A-8196) (P-19846)
535.215	am	(P-10911/92; A-8196)
535.216	n	(P-10911/92; A-8196)
535.217	am	(P-19846)
535.220	r	(P-10911/92; A-8196)
535.230	am	(P-10911/92; A-8196)
535.260	am	(P-10911/92; A-8196)
535.265	am	(P-10911/92; A-8196)
535.270	am	(P-10911/92; A-8196)
535.310	am	(P-10911/92; A-8196)
535.315	am	(P-10911/92; A-8196)
535.320	am	(P-10911/92; A-8196)
535.330	am	(P-10911/92; A-8196) (P-19846)
535.340	am	(P-10911/92; A-8196)
535.400	am	(P-10911/92; A-8196)
535.410	am	(P-10911/92; A-8196)
535.415	am	(P-10911/92; A-8196)
535.420	am	(P-10911/92; A-8196)
535.430	am	(P-10911/92; A-8196) (P-19846)
535.435	am	(P-10911/92; A-8196)
535.440	am	(P-10911/92; A-8196) (P-19846)
535.500	am	(P-10911/92; A-8196)
535.510	am	(P-10911/92; A-8196)

535.515	am	(P-10911/92; A-8196)
535.520	am	(P-10911/92; A-8196)
535.530	am	(P-10911/92; A-8196)
		(P-19846)
535.535	am	(P-10911/92; A-8196)
535.540	am	(P-10911/92; A-8196)
		(P-19846)
535.600	am	(P-10911/92; A-8196)
535.650	am	(P-10911/92; A-8196)
535.750	am	(P-10911/92; A-8196)
535.810	am	(P-10911/92; A-8196)
535.850	am	(P-19846)
535.860	am	(P-19846)
535.1000	n	(P-10911/92; A-8196)
540.65	am	(P-15023/92; A-8258)
540.70	am	(P-15023/92; A-8258)
540.80	am	(P-15023/92; A-8258)
540.90	am	(P-15023/92; A-8258)
540.220	n	(P-12101) (E-12439)
593.10	n	(P-11352)
593.20	n	(P-11352)
593.30	n	(P-11352)
593.100	n	(P-11352)
593.110	n	(P-11352)
593.120	n	(P-11352)
593.130	n	(P-11352)
593.140	n	(P-11352)
593.200	n	(P-11352)
593.210	n	(P-11352)
593.220	n	(P-11352)
593.230	n	(P-11352)
593.240	n	(P-11352)
595.10	am	(P-17447/92; A-13746)
595.100	am	(P-17447/92; A-13746)
595.110	am	(P-17447/92; A-13746)
595.200	am	(P-17447/92; A-13746)
595.300	am	(P-17447/92; A-13746)
595.310	am	(P-17447/92; A-13746)
595.320	am	(P-17447/92; A-13746)
595.Ap.A	r	(P-17447/92; A-13746)
595.Ap.B	r	(P-17447/92; A-13746)
597.10	n	(P-17529/92; A-13763)
597.100	n	(P-17529/92; A-13763)
597.110	n	(P-17529/92; A-13763)
597.200	n	(P-17529/92; A-13763)
597.210	n	(P-17529/92; A-13763)
597.220	n	(P-17529/92; A-13763)
597.300	n	(P-17529/92; A-13763)
597.310	n	(P-17529/92; A-13763)
597.320	n	(P-17529/92; A-13763)
600.100	n	(P-14806)
	r	(P-14831)
600.110	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.120	r	(E-13115) (P-14831)
600.130	r	(E-13115) (P-14831)
600.140	r	(E-13115) (P-14831)
600.200	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.210	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.220	r	(E-13115) (P-14831)
600.230	r	(E-13115) (P-14831)
600.240	r	(E-13115) (P-14831)
600.250	r	(E-13115) (P-14831)
600.300	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.310	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.320	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.330	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.340	r	(E-13115) (P-14831)
600.400	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.410	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.420	r	(E-13115) (P-14831)
600.500	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.510	r	(E-13115) (P-14831)
	n	(E-12918) (P-14806)
600.600	r	(E-13115) (P-14831)
600.610	r	(E-13115) (P-14831)
600.700	r	(E-13115) (P-14831)
600.710	r	(E-13115) (P-14831)
600.720	r	(E-13115) (P-14831)
600.740	r	(E-13115) (P-14831)
600.800	r	(E-13115) (P-14831)
600.810	r	(E-13115) (P-14831)
600.820	r	(E-13115) (P-14831)
600.830	r	(E-13115) (P-14831)
600.900	r	(E-13115) (P-14831)
600.910	r	(E-13115) (P-14831)
600.920	r	(E-13115) (P-14831)

600.930	r	(E-13115) (P-14831)
600.1000	r	(E-13115) (P-14831)
600.1010	r	(E-13115) (P-14831)
600.1020	r	(E-13115) (P-14831)
600.1030	r	(E-13115) (P-14831)
600.1100	r	(E-13115) (P-14831)
600.1110	r	(E-13115) (P-14831)
600.1120	r	(E-13115) (P-14831)
600.1130	r	(E-13115) (P-14831)
600.1140	r	(E-13115) (P-14831)
600.1150	r	(E-13115) (P-14831)
600.1160	r	(E-13115) (P-14831)
600.1170	r	(E-13115) (P-14831)
600.1200	r	(E-13115) (P-14831)
600.1210	r	(E-13115) (P-14831)
600.1220	r	(E-13115) (P-14831)
600.1300	r	(E-13115) (P-14831)
600.1310	r	(E-13115) (P-14831)
600.1400	r	(E-13115) (P-14831)
600.1410	r	(E-13115) (P-14831)
600.1500	r	(E-13115) (P-14831)
600.1600	r	(E-13115) (P-14831)
600.1610	r	(E-13115) (P-14831)
610.100	n	(E-12936) (P-14824)
610.110	n	(E-12936) (P-14824)
610.200	n	(E-12936) (P-14824)
610.210	n	(E-12936) (P-14824)
610.300	n	(E-12936) (P-14824)
610.310	n	(E-12936) (P-14824)
610.320	n	(E-12936) (P-14824)
615.100	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.110	r	(E-12944) (PR-17741)
	n	(P-17798)
615.120	r	(E-12944) (PR-17741)
615.130	r	(E-12944) (PR-17741)
615.140	r	(E-12944) (PR-17741)
615.150	r	(E-12944) (PR-17741)
615.160	r	(E-12944) (PR-17741)
615.200	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.210	n	(E-13002) (P-17798)
615.220	n	(E-13002) (P-17798)
615.230	n	(E-13002) (P-17798)
615.300	n	(E-13002) (P-17798)
615.310	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.320	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.330	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.340	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.350	r	(E-12944) (PR-17741)
615.360	r	(E-12944) (PR-17741)
615.370	r	(E-12944) (PR-17741)
615.380	r	(E-12944) (PR-17741)
615.390	r	(E-12944) (PR-17741)
615.400	r	(E-12944) (PR-17741)
	n	(E-13002) (P-17798)
615.410	n	(E-13002) (P-17798)
615.510	r	(E-12944) (PR-17741)
615.520	r	(E-12944) (PR-17741)
615.530	r	(E-12944) (PR-17741)
615.540	r	(E-12944) (PR-17741)
615.550	r	(E-12944) (PR-17741)
615.560	r	(E-12944) (PR-17741)
615.600	r	(E-12944) (PR-17741)
615.610	r	(E-12944) (PR-17741)
615.620	r	(E-12944) (PR-17741)
615.630	r	(E-12944) (PR-17741)
615.640	r	(E-12944) (PR-17741)
615.700	r	(E-12944) (PR-17741)
615.710	r	(E-12944) (PR-17741)
615.720	r	(E-12944) (PR-17741)
615.730	r	(E-12944) (PR-17741)
615.740	r	(E-12944) (PR-17741)
615.750	r	(E-12944) (PR-17741)
615.760	r	(E-12944) (PR-17741)
615.770	r	(E-12944) (PR-17741)
615.800	r	(E-12944) (PR-17741)
615.810	r	(E-12944) (PR-17741)
615.820	r	(E-12944) (PR-17741)
615.830	r	(E-12944) (PR-17741)
615.840	r	(E-12944) (PR-17741)
615.850	r	(E-12944) (PR-17741)
615.Ap.A	n	(E-13002) (P-17798)
630.20	am	(P-8103/92; A-3013)
630.90	am	(P-8103/92; A-3013)
630.200	am	(P-8103/92; A-3013)
630.220	am	(P-3069)
635.90	am	(P-19882)
661.70	am	(P-757; A-13609)
665.100	am	(P-2697)
665.110	r	(P-2697)

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665.120	am	(P-2697)
665.140	am	(P-2697)
665.150	am	(P-2697)
665.210	am	(P-2697)
665.220	am	(P-2697)
665.230	am	(P-2697)
665.240	am	(P-2697)
665.280	am	(P-2697)
665.310	am	(P-2697)
665.420	am	(P-2697)
665.430	am	(P-2697)
665.510	am	(P-2697)
665.610	am	(P-2697)
665.620	am	(P-2697)
665.630	am	(P-2697)
665.640	am	(P-2697)
665.Ap.B	r	(P-2697)
672.100	am	(P-12228)
672.105	am	(P-12228)
672.115	am	(P-12228)
672.205	am	(P-12228)
672.210	am	(P-12228)
672.220	am	(P-12228)
672.225	am	(P-12228)
672.300	am	(P-12228)
672.310	am	(P-12228)
672.315	am	(P-12228)
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672.415	am	(P-12228)
672.420	am	(P-12228)
672.425	am	(P-12228)
672.435	am	(P-12228)
672.440	am	(P-12228)
672.450	am	(P-12228)
672.505	am	(P-12228)
672.510	am	(P-12228)
672.515	am	(P-12228)
672.520	am	(P-12228)
672.600	am	(P-12228)
672.605	am	(P-12228)
672.610	am	(P-12228)
672.615	am	(P-12228)
672.620	am	(P-12228)
672.640	am	(P-12228)
672.645	am	(P-12228)
672.650	am	(P-12228)
672.660	am	(P-12228)
672.665	am	(P-12228)
682.100	am	(P-13428/92; A-8825)
682.130	am	(P-13428/92; A-8825)
682.140	am	(P-13428/92; A-8825)
682.150	am	(P-13428/92; A-8825)
682.170	am	(P-13428/92; A-8825)
682.195	n	(P-13428/92; A-8825)
682.200	am	(P-13428/92; A-8825)
682.210	am	(P-13428/92; A-8825)
682.215	n	(P-13428/92; A-8825)
682.230	am	(P-13428/92; A-8825)
682.250	am	(P-13428/92; A-8825)
682.260	am	(P-13428/92; A-8825)
682.320	am	(P-13428/92; A-8825)
682.410	am	(P-13428/92; A-8825)
682.420	am	(P-13428/92; A-8825)
682.440	am	(P-13428/92; A-8825)
682.450	am	(P-13428/92; A-8825)
682.Ap.A	r	(P-13428/92; A-8825)
682.Ap.B	r	(P-13428/92; A-8825)
682.Ap.C	r	(P-13428/92; A-8825)
682.Ap.D	r	(P-13428/92; A-8825)
682.Ap.E	r	(P-13428/92; A-8825)
682.Ap.F	r	(P-13428/92; A-8825)
682.Ap.G	r	(P-13428/92; A-8825)
682.Ap.H	r	(P-13428/92; A-8825)
682.Ap.I	r	(P-13428/92; A-8825)
682.Ap.J	r	(P-13428/92; A-8825)
692.10	am	(P-12590) (E-12913)
692.Ap.A	am	(P-12590) (E-12913)
692.Ap.B	am	(P-12590) (E-12913)
693.15	am	(E-1213) (P-2711; A-15909)
693.20	am	(E-1213) (P-2711; A-15909)
694.20	am	(P-13414/92; A-2306)
694.100	am	(P-13414/92; A-2306)
694.110	am	(P-13414/92; A-2306)
694.120	am	(P-13414/92; A-2306)
694.Ap.A	r	(P-13414/92; A-2306)
694.Ap.B	r	(P-13414/92; A-2306)
695.10	am	(P-13472/92; A-2975)
695.30	am	(P-13472/92; A-2975)
695.40	am	(P-13472/92; A-2975)
695.50	n	(P-13472/92; A-2975)
695.Ap.A	n	(P-13472/92; A-2975)
697.20	am	(E-1204) (P-2687; A-15899)
697.30	am	(E-1204) (P-2687;

		A-15899)
750.540	am	(P-723; A-18588)
750.1810	am	(P-723; A-18588)
750.1820	am	(P-723; A-18588)
750.1830	am	(P-723; A-18588)
750.1855	n	(P-723; A-18588)
750.1865	am	(P-723; A-18588)
750.Ap.B	am	(P-723; A-18588)
750.Ap.C	am	(P-723; A-18588)
750.Ap.E	n	(P-723; A-18588)
775.10	am	(P-906; A-14015)
775.20	am	(P-906; A-14015)
775.70	am	(P-906; A-14015)
775.110	am	(P-906; A-14015)
775.140	am	(P-906; A-14015)
775.150	n	(P-906; A-14015)
785.110	am	(P-920; A-14027)
785.120	am	(P-920; A-14027)
785.200	am	(P-920; A-14027)
785.290	am	(P-920; A-14027)
785.300	am	(P-920; A-14027)
785.355	n	(P-920; A-14027)
785.578	n	(P-920; A-14027)
785.1210	n	(P-920; A-14027)
785.1220	n	(P-920; A-14027)
790.5	n	(P-19354)
790.10	n	(P-19354)
790.20	am	(P-7198; A-15916) (E-7283)
790.40	am	(P-7198; A-15916) (E-7283)
790.100	n	(P-19354)
790.110	n	(P-19354)
790.120	n	(P-19354)
790.130	n	(P-19354)
790.200	n	(P-19354)
790.210	n	(P-19354)
790.220	n	(P-19354)
790.230	n	(P-19354)
790.240	n	(P-19354)
790.300	n	(P-19354)
790.420	r	(P-7198; A-15916) (E-7283)
790.460	r	(P-7198; A-15916) (E-7283)
790.480	r	(P-7198; A-15916) (E-7283)
790.500	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.540	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.548	r	(P-7198; A-15916) (E-7283)
790.580	r	(P-7198; A-15916) (E-7283)
790.600	r	(P-7198; A-15916) (E-7283)
790.620	r	(P-7198; A-15916) (E-7283)
790.630	r	(P-7198; A-15916) (E-7283)
790.660	r	(P-7198; A-15916) (E-7283)
790.700	r	(P-7198; A-15916) (E-7283)
790.706	r	(P-7198; A-15916) (E-7283)
790.721	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.740	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.756	r	(P-7198; A-15916) (E-7283)
790.760	r	(P-7198; A-15916) (E-7283)
790.780	r	(P-7198; A-15916) (E-7283)
790.788	r	(P-7198; A-15916) (E-7283)
790.798	r	(P-7199; A-15916) (E-7283)
790.799	r	(P-7198; A-15916) (E-7283)
790.815	r	(P-7198; A-15916) (E-7283)
790.820	r	(P-7198; A-15916) (E-7283)
790.830	r	(P-7198; A-15916) (E-7283)
790.860	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)

(E-7283)
790.900 r (P-7198; A-15916)
(E-7283)
790.905 r (P-7198; A-15916)
(E-7283)
790.910 r (P-7198; A-15916)
(E-7283)
790.920 r (P-7198; A-15916)
(E-7283)
790.940 r (P-7198; A-15916)
(E-7283)
790.974 am (P-17496/92; W-7075)
r (P-7198; A-15916)
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790.1020 r (P-7198; A-15916)
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790.1100 r (P-7198; A-15916)
(E-7283)
790.1107 r (P-7198; A-15916)
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790.1112 r (P-7198; A-15916)
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790.1120 r (P-7198; A-15916)
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(E-7283)
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790.1129 r (P-7198; A-15916)
(E-7283)
790.1131 r (P-7198; A-15916)
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790.1140 r (P-7198; A-15916)
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790.1180 r (P-7198; A-15916)
(E-7283)
790.1200 r (P-7198; A-15916)
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790.1220 r (P-7198; A-15916)
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790.1260 r (P-7198; A-15916)
(E-7283)
790.1300 r (P-7198; A-15916)
(E-7283)
790.1345 r (P-7198; A-15916)
(E-7283)
790.1350 am (P-17496/92; W-7075)
r (P-7198; A-15916)
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790.1380 r (P-7198; A-15916)
(E-7283)
790.1386 r (P-7198; A-15916)
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790.1388 am (P-17496/92; W-7075)
r (P-7198; A-15916)
(E-7283)
790.1390 am (P-17496/92; W-7075)
r (P-7198; A-15916)
(E-7283)
790.1418 am (P-17496/92; W-7075)
r (P-7198; A-15916)
(E-7283)
790.1420 r (P-7198; A-15916)
(E-7283)
790.1423 r (P-7198; A-15916)
(E-7283)
790.1425 r (P-7198; A-15916)
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790.1440 r (P-7198; A-15916)
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790.1460 r (P-7198; A-15916)
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790.1490 r (P-7198; A-15916)
(E-7283)
790.1500 r (P-7198; A-15916)
(E-7283)
790.1540 r (P-7198; A-15916)
(E-7283)
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r (P-7198; A-15916)
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790.2420	r	(P-7198; A-15916)
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790.2617	r	(P-7198; A-15916)
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790.2620	r	(P-7198; A-15916)
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790.3350	r	(P-7198; A-15916)
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790.3437	r	(P-7198; A-15916)
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790.3500	r	(P-7198; A-15916)
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790.3540	r	(P-7198; A-15916)
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790.3580	r	(P-7198; A-15916) (E-7283)
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790.3700	r	(P-7198; A-15916) (E-7283)
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	r	(P-7198; A-15916) (E-7283)
790.3730	r	(P-7198; A-15916) (E-7283)
790.3740	r	(P-7198; A-15916) (E-7283)
790.3742	r	(P-7198; A-15916) (E-7283)
790.3780	r	(P-7198; A-15916) (E-7283)
790.3800	r	(P-7198; A-15916) (E-7283)
790.3820	r	(P-7198; A-15916) (E-7283)
790.3860	r	(P-7198; A-15916) (E-7283)
790.3900	r	(P-7198; A-15916) (E-7283)
790.3902	n	(P-17496/92; W-7075)
790.3904	r	(P-7198; A-15916) (E-7283)
790.3907	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.3910	r	(P-7198; A-15916) (E-7283)
790.3914	am	(P-17496/92; W-7075)
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790.3920	r	(P-7198; A-15916) (E-7283)
790.3945	am	(P-17496/92; W-7075)
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790.3945	r	(P-7198; A-15916) (E-7283)
790.3960	r	(P-7198; A-15916) (E-7283)
790.3980	r	(P-7198; A-15916) (E-7283)
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790.4060	r	(P-7198; A-15916) (E-7283)
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790.4150	r	(P-7198; A-15916) (E-7283)
790.4173	r	(P-7198; A-15916) (E-7283)
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790.4200	r	(P-7198; A-15916) (E-7283)
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790.4340	r	(P-7198; A-15916) (E-7283)
790.4380	am	(P-17496/92; W-7075)
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790.4384	#	(P-17496/92; W-7075)
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790.4386	r	(P-7198; A-15916) (E-7283)

790.4396	r	(P-7198; A-15916) (E-7283)
790.4398	r	(P-7198; A-15916) (E-7283)
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790.4360	r	(P-7198; A-15916) (E-7283)
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790.4580	r	(P-7198; A-15916) (E-7283)
790.4620	r	(P-7198; A-15916) (E-7283)
790.4660	r	(P-7198; A-15916) (E-7283)
790.4665	r	(P-7198; A-15916) (E-7283)
790.4667	r	(P-7198; A-15916) (E-7283)
790.4670	r	(P-7198; A-15916) (E-7283)
790.4680	r	(P-7198; A-15916) (E-7283)
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790.4725	r	(P-7198; A-15916) (E-7283)
790.4728	am	(P-17496/92; W-7075)
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790.4780	r	(P-7198; A-15916) (E-7283)
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790.5100	r	(P-7198; A-15916) (E-7283)
790.5140	r	(P-7198; A-15916) (E-7283)
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790.5312	r	(P-7198; A-15916) (E-7283)
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790.5380	r	(P-7198; A-15916) (E-7283)
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790.5460	r	(P-7198; A-15916) (E-7283)
790.5483	r	(P-7198; A-15916)

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790.5555	r	(P-7198; A-15916)
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790.5640	r	(P-7198; A-15916)
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790.5660	r	(P-7198; A-15916)
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790.5720	r	(P-7198; A-15916)
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790.5780	r	(P-7198; A-15916)
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790.5807	r	(P-7198; A-15916)
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790.5837	r	(P-7198; A-15916)
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790.5860	r	(P-7198; A-15916)
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790.5924	r	(P-7198; A-15916)
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790.5992	r	(P-7198; A-15916)
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790.6100	r	(P-7198; A-15916)
		(E-7283)
790.6140	r	(P-7198; A-15916)
		(E-7283)
790.6180	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6220	r	(P-7198; A-15916)
		(E-7283)
790.6260	r	(P-7198; A-15916)
		(E-7283)
790.6275	r	(P-7198; A-15916)
		(E-7283)
790.6277	r	(P-7198; A-15916)
		(E-7283)

790.6280	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6284	r	(P-7198; A-15916)
		(E-7283)
790.6300	r	(P-7198; A-15916)
		(E-7283)
790.6340	r	(P-7198; A-15916)
		(E-7283)
790.6370	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6375	r	(P-7198; A-15916)
		(E-7283)
790.6380	r	(P-7198; A-15916)
		(E-7283)
790.6420	r	(P-7198; A-15916)
		(E-7283)
790.6430	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6435	r	(P-7198; A-15916)
		(E-7283)
790.6445	r	(P-7198; A-15916)
		(E-7283)
790.6450	r	(P-7198; A-15916)
		(E-7283)
790.6452	r	(P-7198; A-15916)
		(E-7283)
790.6454	r	(P-7198; A-15916)
		(E-7283)
790.6456	r	(P-7198; A-15916)
		(E-7283)
790.6460	r	(P-7198; A-15916)
		(E-7283)
790.6480	r	(P-7198; A-15916)
		(E-7283)
790.6500	r	(P-7198; A-15916)
		(E-7283)
790.6505	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6540	r	(P-7198; A-15916)
		(E-7283)
790.6544	r	(P-7198; A-15916)
		(E-7283)
790.6570	r	(P-7198; A-15916)
		(E-7283)
790.6580	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6610	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6620	r	(P-7198; A-15916)
		(E-7283)
790.6621	r	(P-7198; A-15916)
		(E-7283)
790.6660	r	(P-7198; A-15916)
		(E-7283)
790.6670	r	(P-7198; A-15916)
		(E-7283)
790.6700	r	(P-7198; A-15916)
		(E-7283)
790.6740	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.6780	r	(P-7198; A-15916)
		(E-7283)
790.6800	r	(P-7198; A-15916)
		(E-7283)
790.6820	r	(P-7198; A-15916)
		(E-7283)
790.6860	r	(P-7198; A-15916)
		(E-7283)
790.6875	r	(P-7198; A-15916)
		(E-7283)
790.6885	r	(P-7198; A-15916)
		(E-7283)
790.6895	r	(P-7198; A-15916)
		(E-7283)
790.6900	r	(P-7198; A-15916)
		(E-7283)
790.6940	r	(P-7198; A-15916)
		(E-7283)
790.6946	r	(P-7198; A-15916)
		(E-7283)
790.6960	r	(P-7198; A-15916)
		(E-7283)
790.6980	r	(P-7198; A-15916)
		(E-7283)
790.7020	r	(P-7198; A-15916)
		(E-7283)
790.7060	r	(P-7198; A-15916)
		(E-7283)

790.7100	r	(P-7198; A-15916) (E-7283)
790.7120	r	(P-7198; A-15916) (E-7283)
790.7130	r	(P-7198; A-15916) (E-7283)
790.7140	r	(P-7198; A-15916) (E-7283)
790.7160	r	(P-7198; A-15916) (E-7283)
790.7180	r	(P-7198; A-15916) (E-7283)
790.7181	r	(P-7198; A-15916) (E-7283)
790.7220	r	(P-7198; A-15916) (E-7283)
790.7221	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.7223	r	(P-7198; A-15916) (E-7283)
790.7229	r	(P-7198; A-15916) (E-7283)
790.7245	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.7260	r	(P-7198; A-15916) (E-7283)
790.7263	am	(P-17496/92; W-7075)
790.7265	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.7272	r	(P-7198; A-15916) (E-7283)
790.7278	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.7280	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.7284	r	(P-7198; A-15916) (E-7283)
790.7288	r	(P-7198; A-15916) (E-7283)
790.7291	r	(P-7198; A-15916) (E-7283)
790.7294	r	(P-7198; A-15916) (E-7283)
790.7296	r	(P-7198; A-15916) (E-7283)
790.7300	r	(P-7198; A-15916) (E-7283)
790.7340	r	(P-7198; A-15916) (E-7283)
790.7380	r	(P-7198; A-15916) (E-7283)
790.7400	r	(P-7198; A-15916) (E-7283)
790.7420	r	(P-7198; A-15916) (E-7283)
790.7460	r	(P-7198; A-15916) (E-7283)
790.7500	r	(P-7198; A-15916) (E-7283)
790.7510	r	(P-7198; A-15916) (E-7283)
790.7520	n	(P-17496/92; W-7075)
790.7540	r	(P-7198; A-15916) (E-7283)
790.7580	r	(P-7198; A-15916) (E-7283)
790.7620	r	(P-7198; A-15916) (E-7283)
790.7660	r	(P-7198; A-15916) (E-7283)
790.7700	r	(P-7198; A-15916) (E-7283)
790.7740	r	(P-7198; A-15916) (E-7283)
790.7780	r	(P-7198; A-15916) (E-7283)
790.7820	r	(P-7198; A-15916) (E-7283)
790.7828	r	(P-7198; A-15916) (E-7283)
790.7834	r	(P-7198; A-15916) (E-7283)
790.7860	r	(P-7198; A-15916) (E-7283)
790.7875	n	(P-17496/92; W-7075)
790.7900	r	(P-7198; A-15916) (E-7283)
790.7940	r	(P-7198; A-15916) (E-7283)
790.7980	r	(P-7198; A-15916) (E-7283)

790.8015	r	(P-7198; A-15916) (E-7283)
790.8020	r	(P-7198; A-15916) (E-7283)
790.8030	am	(P-17496/92; W-7075)
790.8060	r	(P-7198; A-15916) (E-7283)
790.8100	r	(P-7198; A-15916) (E-7283)
790.8106	r	(P-7198; A-15916) (E-7283)
790.8136	r	(P-7198; A-15916) (E-7283)
790.8140	r	(P-7198; A-15916) (E-7283)
790.8180	r	(P-7198; A-15916) (E-7283)
790.8220	r	(P-7198; A-15916) (E-7283)
790.8232	r	(P-7198; A-15916) (E-7283)
790.8244	r	(P-7198; A-15916) (E-7283)
790.8248	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.8260	r	(P-7198; A-15916) (E-7283)
790.8290	r	(P-7198; A-15916) (E-7283)
790.8300	r	(P-7198; A-15916) (E-7283)
790.8340	r	(P-7198; A-15916) (E-7283)
790.8378	r	(P-7198; A-15916) (E-7283)
790.8380	r	(P-7198; A-15916) (E-7283)
790.8420	r	(P-7198; A-15916) (E-7283)
790.8460	r	(P-7198; A-15916) (E-7283)
790.8500	r	(P-7198; A-15916) (E-7283)
790.8540	r	(P-7198; A-15916) (E-7283)
790.8580	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.8590	r	(P-7198; A-15916) (E-7283)
790.8620	r	(P-7198; A-15916) (E-7283)
790.8660	r	(P-7198; A-15916) (E-7283)
790.8700	r	(P-7198; A-15916) (E-7283)
790.8710	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.8724	r	(P-7198; A-15916) (E-7283)
790.8727	r	(P-7198; A-15916) (E-7283)
790.8740	r	(P-7198; A-15916) (E-7283)
790.8780	r	(P-7198; A-15916) (E-7283)
790.8820	r	(P-7198; A-15916) (E-7283)
790.8835	n	(P-17496/92; W-7075)
790.8860	r	(P-7198; A-15916) (E-7283)
790.8900	r	(P-7198; A-15916) (E-7283)
790.8940	r	(P-7198; A-15916) (E-7283)
790.8980	r	(P-7198; A-15916) (E-7283)
790.9020	r	(P-7198; A-15916) (E-7283)
790.9035	r	(P-7198; A-15916) (E-7283)
790.9045	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.9048	r	(P-7198; A-15916) (E-7283)
790.9050	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916) (E-7283)
790.9056	r	(P-7198; A-15916) (E-7283)
790.9060	r	(P-7198; A-15916) (E-7283)
790.9070	am	(P-17496/92; W-7075)

	r	(P-7198; A-15916)
		(E-7283)
790.9084	r	(P-7198; A-15916)
		(E-7283)
790.9100	r	(P-7198; A-15916)
		(E-7283)
790.9140	r	(P-7198; A-15916)
		(E-7283)
790.9180	r	(P-7198; A-15916)
		(E-7283)
790.9220	r	(P-7198; A-15916)
		(E-7283)
790.9260	r	(P-7198; A-15916)
		(E-7283)
790.9300	r	(P-7198; A-15916)
		(E-7283)
790.9320	r	(P-7198; A-15916)
		(E-7283)
790.9340	r	(P-7198; A-15916)
		(E-7283)
790.9380	r	(P-7198; A-15916)
		(E-7283)
790.9420	r	(P-7198; A-15916)
		(E-7283)
790.9460	r	(P-7198; A-15916)
		(E-7283)
790.9475	r	(P-7198; A-15916)
		(E-7283)
790.9478	r	(P-7198; A-15916)
		(E-7283)
790.9486	r	(P-7198; A-15916)
		(E-7283)
790.9500	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.9520	am	(P-17496/92; W-7075)
	r	(P-7198; A-15916)
		(E-7283)
790.9530	r	(P-7198; A-15916)
		(E-7283)
790.9540	r	(P-7198; A-15916)
		(E-7283)
790.9580	r	(P-7198; A-15916)
		(E-7283)
790.9620	r	(P-7198; A-15916)
		(E-7283)
790.9660	r	(P-7198; A-15916)
		(E-7283)
790.9800	r	(P-7198; A-15916)
		(E-7283)
840.20	am	(P-4329/92; A-2319)
840.115	am	(P-4329/92; A-2319)
840.210	am	(P-4329/92; A-2319)
840.215	am	(P-4329/92; A-2319)
840.305	am	(P-4329/92; A-2319)
840.310	am	(P-4329/92; A-2319)
840.Ap.B		
.Ex.A	am	(P-4329/92; A-2319)
.II.A	r	(P-4329/92; A-2319)
.Ex.B	n	(P-4329/92; A-2319)
.II.B	r	(P-4329/92; A-2319)
840.Ap.C		
840.Ex.B	am	(P-4329/92; A-2319)
845.10	am	(P-12314/92; A-1884)
845.15	n	(P-12314/92; A-1884)
845.20	am	(P-12314/92; A-1884)
845.23	n	(P-12314/92; A-1884)
845.25	n	(P-12314/92; A-1884)
845.26	n	(P-12314/92; A-1884)
845.28	n	(P-12314/92; A-1884)
845.29	n	(P-12314/92; A-1884)
845.30	am	(P-12314/92; O-1243)
		M-2073; A-1884)
845.40	am	(P-12314/92; A-1884)
845.50	am	(P-12314/92; A-1884)
845.60	r	(P-12314/92; A-1884)
845.Ap.A	n	(P-12314/92; A-1884)
845.Ex.A	n	(P-12314/92; A-1884)
845.Ex.B	n	(P-12314/92; A-1884)
845.Ex.C	n	(P-12314/92; A-1884)
845.Ap.B	n	(P-12314/92; A-1884)
845.Ap.C	n	(P-12314/92; A-1884)
845.II.A	n	(P-12314/92; A-1884)
845.Ap.D	n	(P-12314/92; A-1884)
845.II.A	n	(P-12314/92; A-1884)
845.Ap.E	n	(P-12314/92; A-1884)
890.520	n	(P-18479/92; O-14187;
		M-19326)
900.10	am	(P-10870/92; A-4388)
900.30	am	(P-10870/92; A-4388)
900.40	am	(P-10870/92; A-4388)
900.50	am	(P-10870/92; A-4388)
900.60	am	(P-10870/92; A-4388)
900.65	am	(P-10870/92; A-4388)
900.70	am	(P-10870/92; A-4388)

900.Tb.E	n	(P-10870/92; A-4388)
900.Tb.F	n	(P-10870/92; A-4388)
900.Tb.G	n	(P-10870/92; A-4388)
900.Tb.H	n	(P-10870/92; A-4388)
900.Tb.I	n	(P-10870/92; A-4388)
Ex.A	n	(P-10870/92; A-4388)
Ex.B	n	(P-10870/92; A-4388)
Ex.C	n	(P-10870/92; A-4388)
Ex.D	n	(P-10870/92; A-4388)
915.10	am	(P-10989/92; A-4425)
915.20	am	(P-10989/92; A-4425)
915.40	n	(P-10989/92; A-4425)
915.50	n	(P-10989/92; A-4425)
1100.670	am	(P-12606)
1100.740	n	(P-8144)
1110.60	n	(P-15328/92; A-4453)
1110.235	n	(P-15328/92; A-4453)
1110.1810	am	(P-12593)
1110.1830	am	(P-12593)
1110.2510	n	(P-8149)
1110.2520	n	(P-8149)
1110.2530	n	(P-8149)1
1110.2540	n	(P-8149)
1110.2550	n	(P-8149)
1120.10	n	(P-5205/92; A-4431)
1120.20	n	(P-5205/92; RC-1244;
		A-4453)
1120.110	n	(P-5205/92; A-4431)
1120.120	n	(P-5205/92; RC-1244;
		A-4431)
1120.130	n	(P-5205/92; A-4431)
1120.210	n	(P-5205/92; A-4431)
1120.310	n	(P-5205/92; RC-1244;
		A-4431)
1120.Ap.A	n	(P-5205/92; RC-1244;
		A-4431)
1130.140	am	(P-4755/92; A-5882)
1130.220	am	(P-4755/92; A-5882)
1130.410	am	(P-4755/92; A-5882)
1130.510	am	(P-4755/92; A-5882)
1130.620	am	(P-4755/92; A-5882)
1130.630	am	(P-4755/92; A-5882)
1130.640	am	(P-4755/92; A-5882)
1130.710	am	(P-4755/92; A-5882)
1130.720	am	(P-4755/92; A-5882)
1130.730	am	(P-4755/92; A-5882)
1130.740	am	(P-4755/92; A-5882)
1130.750	am	(P-15321/92; A-4448)
1130.760	am	(P-4755/92; A-5882)
1130.770	am	(P-4755/92; A-5882)
1130.780	am	(P-4755/92; A-5882)
1130.Ap.A	am	(P-4755/92; O-1242;
		R-5951; A-5882)
1230.10	r	(P-5187/92; A-5878)
1230.20	r	(P-5187/92; A-5878)
1230.30	r	(P-5187/92; A-5878)
1230.110	r	(P-5187/92; A-5878)
1230.120	r	(P-5187/92; A-5878)
1230.210	r	(P-5187/92; A-5878)
1230.220	r	(P-5187/92; A-5878)
1230.230	r	(P-5187/92; A-5878)
1230.240	r	(P-5187/92; A-5878)
1230.250	r	(P-5187/92; A-5878)
1230.260	r	(P-5187/92; A-5878)
1230.310	r	(P-5187/92; A-5878)
1230.320	r	(P-5187/92; A-5878)
1230.410	r	(P-5187/92; A-5878)
1230.420	r	(P-5187/92; A-5878)
1230.Tb.A	r	(P-5187/92; A-5878)
1230.Tb.B	r	(P-5187/92; A-5878)
1235.10	n	(E-432; O-3056) (P-683;
		A-8498)
1235.20	n	(E-432; O-3056) (P-683;
		A-8498)
1235.30	n	(E-432; O-3056) (P-683;
		A-8498)
1235.40	n	(E-432; O-3056) (P-683;
		A-8498)
1235.50	n	(E-432; O-3056) (P-683;
		A-8498)
1235.100	n	(E-432; O-3056) (P-683;
		A-8498)
1235.110	n	(A-8498)
1235.200	n	(E-432; O-3056) (P-683;
		A-8498)
1235.210	n	(E-432; O-3056) (P-683;
		A-8498)
1235.220	n	(E-432; O-3056) (P-683;
		A-8498)
1235.230	n	(E-432; O-3056) (P-683;
		A-8498)
1235.240	n	(E-432; O-3056) (P-683;
		A-8498)
1235.250	n	(A-8498)
1235.300	n	(E-432; O-3056) (P-683;
		A-8498)

1235.310	n	(E-432; O-3056) (P-683; A-8498)
1235.320	n	(A-8498)
1240.10	r	(P-5225/92; A-5880)
1240.20	r	(P-5225/92; A-5880)
1240.30	r	(P-5225/92; A-5880)
1240.40	r	(P-5225/92; A-5880)
1240.50	r	(P-5225/92; A-5880)
1240.60	r	(P-5225/92; A-5880)
1240.70	r	(P-5225/92; A-5880)
1240.Ap.A	r	(P-5225/92; A-5880)
2056.1	am	(P-4567/92; A-15917/92; RQ-17493; EG-19982)
2056.5	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.61	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.75	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.301	#	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.310	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.315	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.320	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.410	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.415	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.515	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.600	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.610	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.625	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.655	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2056.Ap.A	am	(P-4567/92; A-15917/92; RQ-17493; EC-19982)
2080.10	am	(P-11367/92; A-11424 M-11872)
2080.20	am	(P-11367/92; A-11424 M-11872)
2080.30	am	(P-11367/92; A-11424 M-11872)
2080.50	am	(P-11367/92; A-11424 M-11872)
2080.60	am	(P-11367/92; A-11424 M-11872)
2080.70	am	(P-11367/92; A-11424 M-11872)
2080.80	am	(P-11367/92; A-11424 M-11872)
2080.120	am	(P-11367/92; A-11424 M-11872)
2080.140	am	(P-11367/92; A-11424 M-11872)
2080.150	am	(P-11367/92; A-11424 M-11872)
2080.160	am	(P-11367/92; A-11424 M-11872)
2080.170	am	(P-11367/92; A-11424 M-11872)
2090.20	am	(P-8599)
2090.35	am	(P-8599)
2090.40	am	(P-8599)
2090.41	am	(P-8599)
2090.42	am	(P-8599)
2090.43	am	(P-8599)
2090.70	am	(P-8599)
2090.90	am	(P-8599)
2090.100	am	(P-8599)
2510.50	am	(P-18913/92; A-9700) (E-14112) (P-18944)
2510.55	am	(P-18913/92; A-9700) (E-14112) (P-18944)
2510.60	am	(P-1695; A-9896) (E-2031)
2510.70	am	(P-1695; A-9896) (E-2031) (E-14112) (P-18944)
2510.90	n	(P-1695; A-9896) (E-2031)
2510.Ap.B	am	(E-14112) (P-18944)
2510.Ap.C	am	(E-14112) (P-18944)
2510.Ap.D	r	(P-18913/92; A-9700)
2510.Ap.D	n	(E-14112) (P-18944)
2510.Ap.E	n	(E-14112) (P-18944)
2530.Ap.B	am	(E-14172) (P-19007)
2540.30	am	(P-18915/92; A-9713)
3000.200	am	(P-13463/92; A-8817)
3000.210	am	(P-13463/92; A-8817)

3000.230	am	(P-13463/92; A-8817)
3000.Ap.A	r	(P-13463/92; A-8817)
3000.Ap.B	r	(P-13463/92; A-8817)

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150.210	am	(E-17372/92; RC-181; F-5952) (P-17959/92; P-9716; RQ-11895; EC-14684; P-14568; A-21079)
150.220	am	(P-17959/92; A-9716; RQ-11895; EC-14684)
150.310	am	(P-14568; A-21079)
150.320	am	(P-14568; A-21079)
150.410	am	(P-14568; A-21079)
150.430	am	(P-14568; A-21079)
150.Ap.A	r	(P-17959/92; A-9716 RQ-11895; EC-14684)
150.Ap.B	#	(P-17959/92; A-9716; RQ-11895; EC-14684)
250.110	am	(P-18453)
302.180	am	(P-17187/92; A-3169)
302.570	am	(P-14788)
302.610	am	(P-17187/92; A-3169)
302.825	am	(P-14788)
302.840	am	(P-14788)
303.112	n	(P-19285/92; A-5587)
310.30	am	(P-18139/92; A-6441)
310.40	am	(P-18139/92; A-6441)
310.110	am	(P-13679/92; A-238) (P-12481) (E-12900)
310.130	am	(P-13679/92; A-238) (P-12481) (E-12900)
310.210	am	(P-7605; A-19103)
310.230	am	(P-18139/92; A-6441)
310.270	am	(P-18139/92; A-6441)
310.290	am	(P-191; C-672; A-13409) (P-14001/92; A-1819) (P-14314) (E-14666)
310.320	am	(P-7605; A-19103)
310.450	am	(P-14001/92; A-1819) (P-14314) (E-14666)
310.455	am	(P-14001/92; A-1819) (P-14314) (E-14666)
310.470	am	(P-14001/92; A-1819)
310.495	n	(P-13657) (E-13789)
310.530	am	(P-14001/92; A-1819) (P-14314) (E-14666)
310.540	am	(P-14001/92; A-1819) (P-14314) (E-14666)
310.Ap.A	am	(PP-498) (P-13179/92; A-590) (P-18139/92; A-6441) (P-7605; A-19103)
.Tb.C	am	(P-18139/92; A-6441)
.Tb.D	am	(P-18139/92; A-6441)
.Tb.E	am	(P-18139/92; A-6441)
.Tb.F	am	(P-18139/92; A-6441)
.Tb.G	am	(P-7605; A-19103)
.Tb.M	n	(P-13179/92; A-590)
.Tb.N	am	(PP-498)
.Tb.O	am	(P-18139/92; A-6441)
.Tb.P	am	(P-18139/92; A-6441) (P-7605; A-19103)
.Tb.Q	am	(P-7605; A-19103)
.Tb.U	am	(P-18139/92; A-6441)
310.Ap.B	am	(P-13679/92; A-238) (P-12481) (E-12900)
310.Ap.C	am	(P-191; C-672; A-13409) (P-14001/92; A-1819) (P-14314) (E-14666)
310.Ap.D	am	(P-14001/92; A-1819) (P-14314) (E-14666)
310.Ap.G	n	(P-14314) (E-14666)
420.330	am	(P-15342/92; A-1652)
500.210	am	(P-13827)
620.130	am	(P-11724/92; W-869) (P-12409/92; W-869) (P-91; W-869) (P-15347/92; A-4510)
630.315	n	(P-6632)
650.1	n	(P-6635)
650.2	n	(P-6635)
650.3	n	(P-6635)
650.4	n	(P-6635)
650.5	n	(P-6635)
650.6	n	(P-6635)
650.7	n	(P-6635)
650.8	n	(P-6635)
650.9	n	(P-6635)
650.10	n	(P-6635)
650.11	n	(P-6635)
650.12	n	(P-6635)
650.13	n	(P-6635)
1200.10	am	(P-3703; A-15588)

1200.20	am	(P-3703; A-15588)
1200.30	am	(P-3703; A-15588)
1200.40	r	(P-3703; A-15588)
	n	(P-3703; A-15588)
1200.50	am	(P-3703; A-15588)
1200.60	am	(P-3703; A-15588)
1200.80	am	(P-3703; A-15588)
1200.90	am	(P-3703; A-15588)
1200.110	am	(P-3703; A-15588)
1200.120	am	(P-3703; A-15588)
1200.130	am	(P-3703; A-15588)
1200.140	am	(P-3703; A-15588)
1200.150	am	(P-3703; A-15588)
1210.10	am	(P-3734; A-15612)
1210.100	am	(P-3734; A-15612)
1210.140	am	(P-3734; A-15612)
1210.160	am	(P-3734; A-15612)
1210.170	am	(P-3734; A-15612)
1210.180	am	(P-3734; A-15612)
1220.10	am	(P-3755; A-15628)
1220.30	am	(P-3755; A-15628)
1220.40	am	(P-3755; A-15628)
1220.50	am	(P-3755; A-15628)
1220.60	am	(P-3755; A-15628)
1220.70	am	(P-3755; A-15628)
1220.80	n	(P-3755; A-15628)
1220.90	n	(P-3755; A-15628)
1220.100	n	(P-3755; A-15628)
1230.10	am	(P-3718; A-15599)
1230.80	am	(P-3718; A-15599)
1230.90	am	(P-3718; A-15599)
1230.150	am	(P-3718; A-15599)
1230.160	am	(P-3718; A-15599)
1230.180	am	(P-3718; A-15599)
1230.190	am	(P-3718; A-15599)
1230.220	am	(P-3718; A-15599)
1650.210	am	(P-12384/92; A-1631)
1650.230	am	(P-12384/92; A-1631)
1650.240	am	(P-12384/92; A-1631)
1650.290	am	(P-12384/92; A-1631)
1650.330	am	(P-12384/92; A-1631)
1650.340	am	(P-12384/92; A-1631)
1650.370	am	(P-12384/92; A-1631)
1650.410	am	(P-12384/92; A-1631)
1650.450	am	(P-12384/92; A-1631)
1650.460	am	(P-12384/92; A-1631)
1650.510	am	(P-12384/92; A-1631)
1650.520	am	(P-12384/92; A-1631)
1650.570	am	(P-12384/92; A-1631)
1650.620	am	(P-12384/92; A-1631)
1650.630	am	(P-12384/92; A-1631)
1650.640	am	(P-12384/92; A-1631)
1650.650	am	(P-12384/92; A-1631)
2160.120	am	(P-3577; A-11441)
2160.130	am	(P-3577; A-11441)
2160.210	am	(P-3577; A-11441)
2160.220	am	(P-3577; A-11441)
2160.250	am	(P-3577; A-11441)
2160.310	am	(P-3577; A-11441)
2160.320	am	(P-3577; A-11441)
2160.325	am	(P-3577; A-11441)
2160.330	am	(P-3577; A-11441)
2160.410	am	(P-3577; A-11441)
2160.510	am	(P-3577; A-11441)
2160.610	am	(P-3577; A-11441)
2160.620	am	(P-3577; A-11441)
2650.1	am	(P-2449)
2650.10	am	(P-2449)
2650.15	am	(P-2449)
2650.25	am	(P-2449)
2650.30	am	(P-2449)
2650.40	n	(P-2449)
2650.50	n	(P-2449)
2650.60	n	(P-2449)
2650.70	n	(P-2449)
2700.110	am	(P-19755)
2700.200	am	(P-19755)
2700.320	am	(P-19755)
2700.410	am	(P-19755)
2700.420	am	(P-19755)
2700.430	am	(P-19755)
2700.440	am	(P-19755) (E-19976)
2700.450	am	(P-19755)
2700.600	am	(P-19755)
2700.620	am	(P-19755)
2700.630	am	(P-19755)
2700.640	am	(P-19755)
2700.650	am	(P-19755)
2700.670	am	(P-19755)
2700.700	am	(P-19755)
2700.710	am	(P-19755)
2700.720	am	(P-19755) (E-19976)
2700.730	am	(P-19755)
2700.735	am	(P-19755)
2700.740	am	(P-19755)
2700.750	am	(P-19755)

2700.760	am	(P-19755)
2700.820	am	(P-19755)
.Ex. B	r	(P-19755)
.Ex. C	r	(P-19755)
.Ex. D	r	(P-19755)
.Ex. E	r	(P-19755)
.Ex. F	r	(P-19755)

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255.20	am	(P-13703/92; A-798)
275.20	am	(P-8269/92; A-98; RQ-2075; EC-3902)
280.76	n	(P-6382)
280.138	am	(P-12810/92; A-805)
305.20	am	(P-2462)
315.10	am	(P-202)
315.20	am	(P-202)
315.30	am	(P-202)
315.40	n	(P-202)
315.50	n	(P-202)
315.60	n	(P-202)
590.10	am	(P-2466; A-12291)
735.121	n	(P-6386) (P-12483)
745.10	am	(P-10513/92; A-10258)
745.15	am	(P-10513/92; A-10258)
745.20	am	(P-10513/92; A-10258)
745.30	am	(P-10513/92; A-10258)
745.110	am	(P-10513/92; A-10258)
745.200	am	(P-10513/92; A-10258)
745.210	am	(P-10513/92; A-10258)
745.220	am	(P-10513/92; A-10258)
745.221	n	(P-10513/92; A-10258)
745.225	am	(P-10513/92; A-10258)
745.300	n	(P-10513/92; A-10258)
745.Ex.B	am	(P-10513/92; A-10258)
755.10	am	(P-16709/92; A-5594)
755.105	am	(P-16709/92; A-5594)
755.500	n	(P-16709/92; A-5594)
755.505	n	(P-16709/92; A-5594)
755.510	n	(P-16709/92; A-5594)
755.515	n	(P-16709/92; A-5594)
755.520	n	(P-16709/92; A-5594)
755.525	n	(P-16709/92; A-5594)
755.Ex.A	n	(P-16709/92; A-5594)
755.Ex.B	n	(P-16709/92; A-5594)
755.Ex.C	n	(P-16709/92; A-5594)
755.Ex.D	n	(P-16709/92; A-5594)
755.Ex.E	n	(P-16709/92; A-5594)
755.Ex.F	n	(P-16709/92; A-5594)
755.Ex.G	n	(P-16709/92; A-5594)
755.Ex.H	n	(P-16709/92; A-5594)
755.Ex.I	n	(P-16709/92; A-5594)
755.Ex.J	n	(P-16709/92; A-5594)
755.Ex.K	n	(P-16709/92; A-5594)
755.Ex.L	n	(P-16709/92; A-5594)
755.Ex.M	n	(P-16709/92; A-5594)
755.Ex.N	n	(P-16709/92; A-5594)
756.10	am	(P-15605/92; A-12294)
756.15	am	(P-15605/92; A-12294)
756.20	am	(P-15605/92; A-12294)
756.30	n	(P-15605/92; A-12294)
756.100	am	(P-15605/92; A-12294)
756.110	am	(P-15605/92; A-12294)
756.115	am	(P-15605/92; A-12294)
756.116	n	(P-15605/92; A-12294)
756.120	am	(P-15605/92; A-12294)
756.125	am	(P-15605/92; A-12294)
756.200	am	(P-15605/92; A-12294)
756.205	am	(P-15605/92; A-12294)
756.210	am	(P-14004/92; A-1848)
		(P-15605/92; A-12294)
756.220	am	(P-15605/92; A-12294)
756.225	am	(P-15605/92; A-12294)
756.300	am	(P-15605/92; A-12294)
792.10	n	(P-11988)
792.20	n	(P-11988)
792.30	n	(P-11988)
792.40	n	(P-11988)
792.50	n	(P-11988)

TITLE 86

100.2000	re	(A-14189)
100.2050	re	(A-14189)
100.2100	re	(A-14189)
100.2200	re	(A-14189)
100.2210	re	(A-14189)
100.2220	re	(A-14189)
100.2230	re	(A-14189)
100.2240	re	(A-14189)
100.2250	re	(A-14189)
100.2300	re	(A-14189)
100.2310	re	(A-14189)
100.2320	re	(A-14189)
100.2330	re	(A-14189)
100.2340	re	(A-14189)

100.2350	re	(A-14189)
100.2680	re	(A-14189)
100.3000	re	(A-14189)
100.3010	re	(A-14189)
100.3020	re	(A-14189)
100.3100	am	(P-222; A-8869)
		(E-473)
100.3110	re	(A-14189)
100.3120	re	(A-14189)
100.3200	re	(A-14189)
100.3210	re	(A-14189)
100.3220	re	(A-14189)
100.3300	re	(A-14189)
100.3310	re	(A-14189)
100.3320	re	(A-14189)
100.3330	re	(A-14189)
100.3340	re	(A-14189)
100.3350	re	(A-14189)
	am	(P-17861)
100.3360	re	(A-14189)
100.3370	re	(A-14189)
100.3380	re	(A-14189)
	am	(P-9870; A-19632)
100.3390	n	(P-9870; A-19632)
100.3400	am	(P-222; A-8869)
		(E-473)
100.3700	am	(P-6619; A-13776)
		(P-9870)
100.3750	n	(P-9870)
100.5000	re	(A-14189)
100.5010	re	(A-14189)
100.5020	re	(A-14189)
	am	(P-15471)
100.5030	re	(A-14189)
100.5100	re	(A-14189)
100.5110	re	(A-14189)
100.5120	re	(A-14189)
100.5130	re	(A-14189)
100.5140	re	(A-14189)
	am	(P-15471)
100.5150	re	(A-14189)
100.5160	re	(A-14189)
100.5170	re	(A-14189)
100.5200	re	(A-14189)
100.5210	re	(A-14189)
100.5220	re	(A-14189)
100.5230	re	(A-14189)
	am	(P-15471)
100.5240	re	(A-14189)
100.5250	re	(A-14189)
	am	(P-15471)
100.5260	re	(A-14189)
100.5270	re	(A-14189)
100.5280	re	(A-14189)
100.7000	re	(A-14189)
100.7010	am	(P-222; A-8869)
		(E-473)
100.7020	re	(A-14189)
100.7030	re	(A-14189)
100.7040	re	(A-14189)
100.7050	re	(A-14189)
100.7060	re	(A-14189)
100.7070	re	(A-14189)
100.7080	re	(A-14189)
100.7090	re	(A-14189)
100.7095	re	(A-14189)
	am	(P-15471)
100.7100	re	(A-14189)
100.7120	re	(A-14189)
100.7200	re	(A-14189)
100.7300	re	(A-14189)
100.7310	re	(A-14189)
	am	(P-15471)
100.7320	re	(A-14189)
100.7330	re	(A-14189)
100.7340	re	(A-14189)
100.9000	re	(A-14189)
	am	(P-15471)
100.9005	am	(P-6945)
100.9010	re	(A-14189)
100.9100	re	(A-14189)
	am	(P-15471)
100.9200	re	(A-14189)
100.9210	re	(A-14189)
100.9300	re	(A-14189)
100.9310	re	(A-14189)
100.9320	re	(A-14189)
100.9330	re	(A-14189)
100.9400	re	(A-14189)
	am	(P-15471)
100.9410	re	(A-14189)
100.9420	re	(A-14189)
	am	(P-15471)
100.9500	re	(A-14189)
100.9510	re	(A-14189)
100.9520	re	(A-14189)

100.9600	re	(A-14189)
100.9700	re	(A-14189)
100.9800	re	(A-14189)
	am	(P-6945; A-19966)
100.Ap.A	re	(A-14189)
Tb.A	re	(A-14189)
Tb.B	re	(A-14189)
105.100	n	(P-219; A-7031) (E-445)
	am	(P-9854; A-18118)
105.110	n	(P-219; A-7031) (E-445)
105.120	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.200	n	(P-219; A-7031) (E-445)
105.210	n	(P-219; A-7031) (E-445)
105.220	n	(P-219; A-7031) (E-445)
105.230	n	(P-219; A-7031)
		(E-445)
	am	(P-9854; A-18118)
105.300	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.310	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.320	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.330	n	(P-219; A-7031) (E-445)
105.340	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.400	n	(P-219; A-7031) (E-445)
105.410	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.420	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.430	n	(P-219; A-7031) (E-445)
105.440	n	(P-219; A-7031) (E-445)
105.450	n	(P-219; A-7031) (E-445)
105.460	n	(P-219; A-7031) (E-445)
105.470	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.500	n	(P-219; A-7031) (E-445)
105.510	n	(P-219; A-7031) (E-445)
		(P-9854; A-18118)
105.520	n	(P-219; A-7031) (E-445)
105.600	n	(P-219; A-7031) (E-445)
105.700	n	(P-219; A-7031) (E-445)
105.800	n	(P-219; A-7031) (E-445)
105.810	n	(P-219; A-7031) (E-445)
105.900	n	(P-219; A-7031) (E-445)
105.910	n	(P-219; A-7031) (E-445)
105.920	n	(P-219; A-7031) (E-445)
105.1000	n	(P-219; A-7031) (E-445)
105.1010	n	(P-219; A-7031) (E-445)
110.115	am	(P-2507)
130.220	am	(P-14554/92; A-860)
130.535	am	(P-8461; A-19651)
130.901	am	(P-15501)
130.905	am	(P-15501)
130.1001	am	(P-6955; A-18142)
130.1801	am	(P-6955; A-18142)
140.801	am	(P-15515)
140.1415	am	(P-15515)
150.1001	am	(P-15527)
150.1415	am	(P-15527)
150.Tb.A	am	(P-14563/92; A-1947)
160.140	am	(P-15522)
160.165	am	(P-15522)
210.101	am	(E-665) (P-2718; A-8860)
210.105	am	(P-2718; A-8860)
210.110	am	(P-2718; A-8860)
210.115	am	(P-2718; C-3545; A-8860)
210.120	am	(P-2718; A-8860)
210.125	am	(E-665) (P-2718; A-8860)
210.126	n	(E-665) (P-2718; A-8860)
210.130	am	(P-2718; A-8860)
530.115	am	(P-3104; A-11566)
530.125	am	(P-3104; A-11566)
535.101	n	(P-15340/92; A-3042)
535.105	n	(P-15340/92; A-3042)
535.110	n	(P-15340/92; A-3042)
535.115	n	(P-15340/92; A-3042)
535.120	n	(P-15340/92; A-3042)
535.125	n	(P-15340/92; A-3042)
535.130	n	(P-15340/92; A-3042)
535.135	n	(P-15340/92; A-3042)
535.140	n	(P-15340/92; A-3042)
535.145	n	(P-15340/92; A-3042)
700.100	n	(P-16421)
700.110	n	(P-16421)
700.200	n	(P-16421)
700.210	n	(P-16421)
700.220	n	(P-16421)
700.230	n	(P-16421)
700.300	n	(P-16421)
700.310	n	(P-16421)
700.320	n	(P-16421)
700.330	n	(P-16421)
700.340	n	(P-16421)

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700.400	n	(P-16421)
700.500	n	(P-16421)
750.100	n	(P-8450; A-18132)
750.200	n	(P-8450; A-18132)
750.300	n	(P-8450; A-18132)
750.400	n	(P-8450; A-18132)
750.500	n	(P-8450; A-18132)
750.600	n	(P-8450; A-18132)
750.700	n	(P-8450; A-18132)
750.800	n	(P-8450; A-18132)
750.900	n	(P-8450; A-18132)
1000.100	n	(E-12445)
3000.100	am	(P-19681; A-11510)
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3000.115	am	(P-19681; A-11510)
3000.140	am	(P-19681; A-11510)
3000.141	n	(P-19681; A-11510)
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102.235	n	(P-15461)
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102.250	am	(P-15461)
103.25	n	(P-14178/92; A-655)
103.35	n	(P-14178/92; A-655)
104.216	am	(P-540; A-7025) (E-659)
110.30	am	(P-13207/92; A-640)
111.101	am	(P-16491/92; A-3213)
		(P-18764)
112.9	am	(P-13381/92; A-813)
112.64	am	(P-10705; A-19156)
112.70	am	(P-3335/92; A-357)
		(P-10705; A-19156)
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		(P-10705; A-19156)
112.72	am	(P-3335/92; A-357)
112.74	am	(P-3335/92; A-357)
112.78	am	(P-3335/92; A-357)

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112.79	am	(P-3335/92; A-357)
112.81	am	(P-10705; A-19156)
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112.130	am	(P-10705; A-19156)
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112.131	am	(P-19436) (E-19696)
112.137	am	(P-10705; A-19156)
112.141	am	(P-10705; A-19156)
		(P-19436) (E-19696)
112.142	am	(P-10705; A-19156)
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112.143	am	(P-10705; A-19156)
		(P-19436) (E-19696)
112.144	am	(P-7745; A-15017)
		(P-19436) (E-19696)
112.145	am	(P-5436; A-15017)
		(P-10705; A-19156)
		(P-19436) (E-19696)
112.147	am	(P-19436) (E-19696)
112.151	am	(P-5436; A-15017)
112.152	am	(P-10705; A-19156)
112.153	am	(P-18216/92; A-4312)
112.154	r	(P-14522/92; A-813)
112.155	am	(P-19436) (E-19696)
112.250	am	(P-46; P-21125)
112.252	am	(P-46; P-21125)
112.253	am	(P-46; P-21125)
112.254	am	(P-46; P-21125)
112.302	am	(P-10705; A-19156)
		(P-19436) (E-19696)
112.303	am	(P-10705; A-19156)
112.330	am	(P-15277/92; A-2253)
		(P-10705; A-19156)
112.350	am	(P-19436) (E-19696)
112.352	am	(P-19436) (E-19696)
112.354	am	(P-19436) (E-19696)
112.356	am	(P-19436) (E-19696)
112.370	n	(P-6026; A-15017)
		(E-6325)
112.404	am	(P-10705; A-19156)
112.406	am	(P-10705; A-19156)
113.9	am	(P-13383/92; A-827)
113.113	am	(P-7755; A-14612)
113.141	am	(P-7755; A-14612)
113.154	r	(P-14999/92; A-2263)
113.155	am	(P-13380)
113.253	am	(P-702; A-6804)
113.260	am	(P-702; A-6804)
113.309	n	(P-17457/92; A-6804)
113.330	n	(P-14533/92; A-3202)
113.410	am	(P-14533/92; A-3202)
113.425	am	(P-17047/92; A-4322)
113.430	am	(P-17047/92; A-4322)
113.450	n	(P-17457/92; A-6804)
114.9	am	(P-13395/92; A-1091)
114.120	am	(P-15810/92; A-3255)
114.121	r	(P-15810/92; A-3255)
114.124	r	(P-15810/92; A-3255)
114.125	r	(P-15810/92; A-3255)
114.126	r	(P-15810/92; A-3255)
114.127	r	(P-15810/92; A-3255)
114.128	r	(P-15810/92; A-3255)
114.129	r	(P-15810/92; A-3255)
114.130	r	(P-15810/92; A-3255)
114.135	r	(P-15810/92; A-3255)
114.223	am	(P-19654/92; A-6814)
114.235	am	(P-19443) (E-19728)
114.241	am	(P-19443) (E-19728)
114.243	am	(P-19443) (E-19728)
114.252	am	(P-18226/92; A-6814)
114.270	r	(P-15008/92; A-2277)
114.406	n	(P-17459/92; A-6814)
114.420	am	(P-15008/92; A-2277)
114.430	am	(P-15287/92; A-2277)
114.440	n	(P-14538/92; A-3639)
114.450	am	(P-19443) (E-19728)
114.452	am	(P-19443) (E-19728)
114.454	am	(P-19443) (E-19728)
114.456	am	(P-19443) (E-19728)
114.466	am	(P-19443) (E-19728)
116.400	am	(P-13764/92; A-1078)
116.500	am	(P-13764/92; A-1078)
		(P-12092; A-19188)
116.510	am	(P-12092; A-19188)
116.520	r	(P-13764/92; A-1078)
117.15	n	(P-2126; A-8191)
		(E-2368)
118.150	n	(P-10751; A-19956)
		(E-11217)
120.30	am	(P-19445)
120.345	am	(P-19445)
120.382	am	(P-19445)
120.388	n	(P-19445)
120.389	n	(P-19445)

120.390	am	(P-19445)
120.61	am	(P-2114; A-10402)
120.70	am	(P-711; A-6827)
120.73	n	(P-711; A-6827)
120.75	n	(P-711; A-6827)
120.318	am	(P-13392)
120.385	r	(P-14544/92; A-1102)
120.386	am	(P-13392)
121.3	am	(P-13385/92; A-644)
121.23	r	(P-15813/92; A-4333)
121.24	r	(P-15813/92; A-4333)
121.25	r	(P-15813/92; A-4333)
121.26	r	(P-15813/92; A-4333)
121.27	r	(P-15813/92; A-4333)
	n	(P-18425)
121.28	r	(P-15813/92; A-4333)
	n	(P-18425)
121.29	r	(P-15813/92; A-4333)
	n	(P-18425)
121.31	am	(P-7165; A-14625)
121.32	am	(P-7165; A-14625)
121.41	am	(P-13385/92; A-644)
121.50	am	(P-7165; A-14625)
121.58	am	(P-7165; A-14625)
121.59	am	(P-13385/92; A-644)
121.60	am	(PP-17477)
121.61	am	(PP-17477)
121.63	am	(P-7165; A-14625; EC-19327) (PP-17477)
121.74	am	(PP-17477)
121.76	n	(P-13385/92; A-644)
121.160	n	(P-15813/92; A-4333)
121.162	n	(P-15813/92; A-4333)
121.164	n	(P-15813/92; A-4333)
121.166	n	(P-15813/92; A-4333)
121.170	n	(P-15813/92; A-4333)
121.170	am	(P-16405)
121.172	n	(P-15813/92; A-4333)
121.174	n	(P-15813/92; A-4333)
121.74	am	(P-16405)
121.176	n	(P-15813/92; A-4333)
121.178	n	(P-15813/92; A-4333)
121.180	n	(P-15813/92; A-4333)
121.182	n	(P-15813/92; A-4333)
	am	(P-14798) (E-15149)
121.184	n	(P-15813/92; A-4333)
121.186	n	(P-15813/92; A-4333)
121.188	n	(P-15813/92; A-4333)
121.190	n	(P-15813/92; A-4333)
140.2	am	(P-18436) (E-18611)
140.3	am	(P-18768)
140.12	am	(P-17049/92; A-6196)
	am	(P-18436) (E-18611)
140.19	am	(P-62; A-6839)
140.24	am	(P-7183; RC-17491; A-18571)
140.40	am	(P-18436) (E-18611)
140.71	am	(P-17736) (E-18152)
140.80	n	(P-15019/92; A-3421)
	am	(P-17736) (E-18152)
140.82	n	(P-15019/92; A-3421)
	am	(P-17736) (E-18152)
140.84	n	(P-15019/92; A-3421)
	am	(P-17736) (E-18152)
140.94	am	(P-15019/92; A-3421)
140.95	am	(P-15019/92; A-3421)
140.400	am	(P-18436) (E-18611)
140.413	am	(P-18436) (E-18611)
140.420	am	(P-15444)
140.421	am	(P-15444)
140.460	am	(P-18436) (E-18611)
140.461	am	(P-18436) (E-18611)
140.462	am	(P-18436) (E-18611)
140.463	am	(P-18436) (E-18611)
140.464	am	(P-18436) (E-18611)
140.469	am	(P-19012)
140.485	am	(P-16495/92; A-6196) (P-18436) (E-18611)
140.488	am	(P-16495/92; A-6196)
140.492	am	(P-13397/92; O-1241; R-2436; A-2290; F-3058) (P-10749; E-11201; A-20999)
140.511	am	(P-17461/92; A-6839)
140.523	am	(P-18436) (E-18611)
140.525	am	(P-13211/92; A-837)
140.530	am	(P-14800) (E-15162; S-18902)
140.538	am	(P-13211/92; A-837) (P-14800) (E-15162; S-18902)
140.539	am	(P-19665/92; A-6839)
140.560	am	(P-14800) (E-15162; S-18902)
140.579	am	(P-12838/92; A-19146/92; RQ-4517; EC-7078)

140.583	am	(P-14800) (E-15162; S-18902)
140.642	am	(P-16495/92; A-6196)
140.643	am	(P-18768)
140.645	am	(P-18768)
140.648	am	(P-17209/92; A-7004) (P-14800) (E-15162; S-18902)
140.700	am	(P-7576/92; A-1112)
140.920	n	(P-18436) (E-18611)
140.922	n	(P-18436) (E-18611)
140.924	n	(P-18436) (E-18611)
140.926	n	(P-18436) (E-18611)
140.928	n	(P-18436) (E-18611)
140.930	n	(P-18436) (E-18611)
140.932	n	(P-18436) (E-18611)
140.Tb.M	n	(P-18436) (E-18611)
140.Tb.K	am	(P-15296/92; A-2951)
144.5	am	(P-2477; A-11480) (P-19841)
144.25	am	(P-2477; A-11480)
144.50	am	(P-2477; A-11480)
144.75	am	(P-2477; A-11480)
144.125	am	(P-2477; A-11480)
144.150	am	(P-2477; A-11480)
144.175	am	(P-2477; A-11480)
144.205	am	(P-2477; A-11480)
144.230	n	(P-899; A-8478)
144.250	am	(P-2477; A-11480)
144.275	am	(P-14796) (E-15126; S-18901)
144.300	am	(P-14796) (E-15126; S-18901)
144.325	am	(P-14796) (E-15126; S-18901)
147.5	am	(P-1716; A-8486)
147.25	am	(P-5471; A-13498)
147.50	am	(P-5471; A-13498)
147.100	am	(P-14081;W-20507)
147.105	am	(P-18788)
147.150	am	(P-13215/92; A-1128) (P-5471; A-13498) (P-14803) (E-15189)
147.205	am	(P-13215/92; A-1128) (P-14803) (E-15189)
147.Tb.A	am	(P-5471; A-13498)
147.Tb.B	am	(P-5471; A-13498)
147.Tb.C	am	(P-1716; A-8486)
147.Tb.D	am	(P-5471; A-13498)
147.Tb.E	am	(P-5471; A-13498)
147.Tb.F	am	(P-1716; A-8486)
147.Tb.G	r	(P-5471; A-13498)
148.20	am	(P-15291) (E-17323)
148.25	n	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.30	am	(P-14540/92; A-3296)
148.40	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.50	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.60	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.70	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.80	am	(P-10868/92; A-131)
	r	(P-6935; A-14643)
148.82	n	(P-12826/92; RC-6549; A-6649)
	am	(P-15291) (E-17323)
148.120	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.130	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.140	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.150	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.160	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.170	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.180	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.190	am	(P-14540/92; A-3296)
148.200	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.210	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.220	am	(P-14540/92; A-3296)
148.230	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.240	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.250	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.260	am	(P-14540/92; A-3296)

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	am	(P-15291) (E-17323)
148.270	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.280	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.290	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
148.310	am	(P-14540/92; A-3296)
	am	(P-15291) (E-17323)
		(P-9840; W-18900)
148.320	am	(P-14540/92; A-3296)
149.5	am	(P-15243) (E-17275)
149.10	n	(P-14535/92; A-3217)
	am	(P-15243) (E-17275)
149.25	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
149.50	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
149.75	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
149.100	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
149.105	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
149.125	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
149.140	n	(P-14535/92; A-3217)
	am	(P-9829; W-18899)
		(P-15243) (E-17275)
149.150	am	(P-14535/92; A-3217)
		(P-15243) (E-17275)
160.1	am	(P-3820; A-18844)
160.5	am	(P-3820; A-18844)
		(P-12573)
160.15	n	(P-3820; A-18844)
160.25	n	(P-3820; A-18844)
160.65	am	(P-12067)
160.70	am	(P-12573) (P-15229)
160.77	n	(P-3820; A-18844)
160.85	n	(P-8892/92; A-2272)
165.70	am	(P-2110; A-8187)
165.104	am	(P-6614; RC-14186;
		(A-18113)
170.10	n	(P-10736; A-19197)
170.20	n	(P-10736; A-19197)
170.30	n	(P-10736; A-19197)
170.40	n	(P-10736; A-19197)
170.50	am	(P-10736; A-19197)
		(P-19440) (E-19721)
170.250	n	(P-19440) (E-19721)
220.625	am	(P-883; A-8472) (E-1179)
220.635	am	(P-883; A-8472) (E-1179)
240.120	am	(P-14225)
240.160	am	(P-14225)
240.210	am	(P-14225)
240.220	am	(P-14225)
240.270	am	(P-14225)
240.280	am	(P-14225)
240.350	am	(P-14225)
240.729	n	(P-12251/92; A-224)
240.870	am	(P-14225)
240.910	am	(P-14225)
240.1510	am	(P-15203/92; A-6090)
		(P-14225)
240.1520	am	(P-15203/92; A-6090)
		(P-14225)
240.1530	am	(P-15203/92; A-6090)
240.1535	am	(P-15203/92; A-6090)
		(P-14225)
240.1540	am	(P-15203/92; A-6090)
	r	(P-14225)
240.1545	am	(P-15203/92; A-6090)
	r	(P-14225)
240.1550	am	(P-15203/92; A-6090)
240.1555	am	(P-15203/92; A-6090)
240.1560	am	(P-15203/92; A-6090)
240.1565	am	(P-15203/92; A-6090)
240.1570	am	(P-15203/92; A-6090)
240.1575	am	(P-15203/92; A-6090)
240.1580	am	(P-15203/92; A-6090)
240.1590	am	(P-15203/92; A-6090)
		(P-14225)
240.1600	am	(P-14225)
240.1610	am	(P-14225)
240.1630	am	(P-14225)
240.1800	am	(P-15203/92; A-6090)
240.1850	am	(P-15203/92; A-6090)
240.1920	am	(P-14225)
240.1930	am	(P-14225)
240.2020	am	(P-15203/92; A-6090)
		(P-14225)
240.2030	am	(P-14225)
240.2040	am	(P-14225)
240.2050	am	(P-15203/92; A-6090)
		(P-14225)

300.20	am	(P-15218) (E-15658;
		RC-18903)
300.130	am	(P-18271)
300.160	am	(P-18271)
302.20	am	(P-7565/92; A-274)
302.310	am	(P-2460) (E-2513)
302.390	am	(P-11979/92; A-13438)
304.2	am	(P-7545/92; A-251)
309.1	r	(P-7982/92; A-1044)
309.2	r	(P-7982/92; A-1044)
309.3	r	(P-7982/92; A-1044)
309.4	r	(P-7982/92; A-1044)
309.5	r	(P-7982/92; A-1044)
309.6	r	(P-7982/92; A-1044)
309.7	r	(P-7982/92; A-1044)
309.8	r	(P-7982/92; A-1044)
309.9	r	(P-7982/92; A-1044)
309.10	r	(P-7982/92; A-1044)
309.11	r	(P-7982/92; A-1044)
309.12	r	(P-7982/92; A-1044)
309.13	r	(P-7982/92; A-1044)
309.14	r	(P-7982/92; A-1044)
309.15	r	(P-7982/92; A-1044)
309.16	r	(P-7982/92; A-1044)
309.17	r	(P-7982/92; A-1044)
309.18	r	(P-7982/92; A-1044)
309.19	r	(P-7982/92; A-1044)
309.20	r	(P-7982/92; A-1044)
309.21	r	(P-7982/92; A-1044)
309.22	r	(P-7982/92; A-1044)
309.23	r	(P-7982/92; A-1044)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
314.10	n	(P-17593)
330.5	am	(P-1259; A-11457)
330.6	am	(P-1259; A-11457)
335.100	am	(P-12254/92; A-13420)
335.102	am	(P-12254/92; A-13420)
335.200	n	(P-12254/92; A-13420)
335.202	am,#	(P-12254/92; A-13420)
335.204	am,#	(P-12254/92; A-13420)
335.206	am	(P-12254/92; A-13420)
335.208	n	(P-6681)
335.300	am	(P-12254/92; A-13420)
335.304	am	(P-12254/92;A-13420)
335.310	am	(P-12254/92;A-13420)
335.312	am	(P-12254/92;A-13420)
335.314	am	(P-12254/92;A-13420)
335.316	am	(P-12254/92;A-13420)
335.318	am	(P-12254/92;A-13420)
335.320	am	(P-12254/92;A-13420)
335.326	am	(P-12254/92;A-13420)
335.328	am	(P-12254/92;A-13420)
335.330	am	(P-12254/92;A-13420)
336.10	n	(P-7963/92; A-1026)
336.20	n	(P-7963/92; A-1026)
336.30	n	(P-7963/92; A-1026)
336.40	n	(P-7963/92; A-1026)
336.50	n	(P-7963/92; A-1026)
336.60	n	(P-7963/92; A-1026)
336.70	n	(P-7963/92; A-1026)
336.80	n	(P-7963/92; A-1026)
336.90	n	(P-7963/92; A-1026)
336.100	n	(P-7963/92; A-1026)
336.110	n	(P-7963/92; A-1026)
336.120	n	(P-7963/92; A-1026)
336.130	n	(P-7963/92; A-1026)
336.140	n	(P-7963/92; A-1026)
336.150	n	(P-7963/92; A-1026)
336.160	n	(P-7963/92; A-1026)
336.170	n	(P-7963/92; A-1026)
337.10	n	(P-7999/92; A-1046)
337.20	n	(P-7999/92; A-1046)
337.30	n	(P-7999/92; A-1046)
337.40	n	(P-7999/92; A-1046)
337.50	n	(P-7999/92; A-1046)
337.60	n	(P-7999/92; A-1046)
337.70	n	(P-7999/92; A-1046)
337.80	n	(P-7999/92; A-1046)
337.90	n	(P-7999/92; A-1046)
337.100	n	(P-7999/92; A-1046)
337.110	n	(P-7999/92; A-1046)
337.120	n	(P-7999/92; A-1046)
337.130	n	(P-7999/92; A-1046)
337.140	n	(P-7999/92; A-1046)
337.150	n	(P-7999/92; A-1046)
337.160	n	(P-7999/92; A-1046)
337.170	n	(P-7999/92; A-1046)
337.180	n	(P-7999/92; A-1046)

337.190	n	(P-7999/92; A-1046)
337.200	n	(P-7999/92; A-1046)
337.210	n	(P-7999/92; A-1046)
337.220	n	(P-7999/92; A-1046)
337.230	n	(P-7999/92; A-1046)
337.240	n	(P-7999/92; A-1046)
337.250	n	(P-7999/92; A-1046)
354.1	r	(P-8099; A-17913)
354.2	r	(P-8099; A-17913)
354.3	r	(P-8099; A-17913)
354.4	r	(P-8099; A-17913)
354.5	r	(P-8099; A-17913)
354.6	r	(P-8099; A-17913)
356.5	am	(P-10679)
376.1	r	(P-8104; A-17915)
376.2	r	(P-8104; A-17915)
376.3	r	(P-8104; A-17915)
377.2	am	(P-7553/92; A-259)
377.4	am	(P-7553/92; A-259)
378.1	r	(P-7561/92; A-272)
378.2	r	(P-7561/92; A-272)
378.3	r	(P-7561/92; A-272)
378.4	r	(P-7561/92; A-272)
402.15	am	(P-11707/92; A-267)
406.12	am	(P-11964)
406.13	am	(P-11964)
406.14	am	(P-11964)
407.20	am	(P-11955)
407.29	am	(P-11955)
408.60	am	(P-11976)
408.65	am	(P-11976)
408.70	am	(P-11976)
434.1	am	(P-7115)
434.2	am	(P-7115)
434.3	am	(P-7115)
434.4	am	(P-7115)
434.5	am	(P-7115)
434.6	am	(P-7115)
434.7	am	(P-7115)
434.8	am	(P-7115)
434.9	am	(P-7115)
434.10	n	(P-7115)
434.11	#	(P-7115)
434.12	n	(P-7115)
505.5	am	(P-1731; A-9964)
505.10	am	(P-1731; A-9964)
505.30	am	(P-1731; A-9964)
505.40	am	(P-1731; A-9964)
505.50	am	(P-1731; A-9964)
505.60	am	(P-1731; A-9964)
505.70	am	(P-1731; A-9964)
505.80	am	(P-1731; A-9964)
510.5	n	(P-11380;E-11608) (A-20296)
510.10	am	(P-11380;E-11608) (A-20296)
510.20	am	(P-11380;E-11608) (A-20296)
510.30	am	(P-11380;E-11608) (A-20296)
510.40	am	(P-11380;E-11608) (A-20296)
510.50	am	(P-11380;E-11608) (A-20296)
510.60	am	(P-11380;E-11608) (A-20296)
510.70	am	(P-11380;E-11608) (A-20296)
510.80	am	(P-11380;E-11608) (A-20296)
510.90	r/n	(P-11380;E-11608) (A-20296)
510.100	r/n	(P-11380;E-11608) (A-20296)
510.105	n	(P-11380;E-11608) (A-20296)
510.110	r/n	(P-11380;E-11608) (A-20296)
510.120	n	(P-11380;E-11608) (A-20296)
515.100	am	(P-11378;E-11589) (A-20278)
515.110	am	(P-11378;E-11589) (A-20278)
515.120	n	(P-11378;E-11589) (A-20278)
515.130	n	(P-11378;E-11589) (A-20278)
515.140	n	(P-11378;E-11589) (A-20278)
515.150	n	(P-11378;E-11589) (A-20278)
515.400	am	(P-011378;E-11589) (A-20278)
515.410	n	(P-11378;E-11589) (A-20278)

515.420	n	(P-11378;E-11589) (A-20278)
515.430	n	(P-11378;E-11589) (A-20278)
515.440	n	(P-11378;E-11589) (A-20278)
515.450	n	(P-11378;E-11589) (A-20278)
525.500	n	(P-947; A-9980)
530.5	am	(P-11394;E-11701) (A-20380)
530.10	am	(P-11394;E-11701) (A-20380)
530.110	am	(P-11394;E-11701) (A-20380)
530.130	am	(P-11394;E-11701) (A-20380)
530.140	am	(P-11394;E-11701) (A-20380)
530.200	am	(P-11394;E-11701) (A-20380)
530.230	am	(P-11394;E-11701) (A-20380)
530.240	r/n	(P-11394;E-11701) (A-20380)
530.250	n	(P-11394;E-11701) (A-20380)
530.260	am	(P-11394;E-11701) (A-20380)
540.10	r	(P-11386;E-11667) (A-20354)
540.20	r	(P-11386;E-11667) (A-20354)
540.30	r	(P-11386;E-11667) (A-20354)
540.40	r	(P-11386;E-11667) (A-20354)
540.50	r	(P-11386;E-11667) (A-20354)(P-20088/92) (A-6244)
552.10	r	(P-11396;E-11733) (A-20413)
552.20	r	(P-11396;E-11733) (A-20413)
552.30	r	(P-11396;E-11733) (A-20413)
552.35	r	(P-11396;E-11733) (A-20413)
552.40	r	(P-11396;E-11733) (A-20413)
552.50	r	(P-11396;E-11733) (A-20413)
552.60	r	(P-11396;E-11733) (A-20413)
552.70	r	(P-11396;E-11733) (A-20413)
552.80	r	(P-11396;E-11733) (A-20413)
552.90	r	(P-11396;E-11733) (A-20413)
552.100	r	(P-11396;E-11733) (A-20413)
552.110	r	(P-11396;E-11733) (A-20413)
552.120	r	(P-11396;E-11733) (A-20413)
553.10	n	(P-11384;E-11657) (A-20346)
553.20	n	(P-11384;E-11657) (A-20346)
553.30	n	(P-11384;E-11657) (A-20346)
553.40	n	(P-11384;E-11657) (A-20346)
553.50	n	(P-11384;E-11657) (A-20346)
553.60	n	(P-11384;E-11657) (A-20346)
553.70	n	(P-11384;E-11657) (A-20346)
553.80	n	(P-11384;E-11657) (A-20346)
553.90	n	(P-11384;E-11657) (A-20346)
553.100	n	(P-11384;E-11657) (A-20346)
553.110	n	(P-11384;E-11657) (A-20346)
553.120	n	(P-11384;E-11657) (A-20346)
553.130	n	(P-11384;E-11657) (A-20346)
553.140	n	(P-11384;E-11657) (A-20346)
557.10	am	(P-11382;E-11652) (A-20341)

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557.20	r	(P-11382;E-11652) (A-20341)
557.30	am	(P-11382;E-11652) (A-20341)
557.40	am	(P-11382;E-11652) (A-20341)
562.20	am	(P-14189/92; A-3895) (P-11388;E-11676) (A-20356)
562.30	am	(P-14189/92; A-3895) (P-11388;E-11676) (A-20356)
562.40	am	(P-11388;E-11676) (A-20356)
562.60	am	(P-11388;E-11676) (A-20356)
562.70	am	(P-11388;E-11676) (A-20356)
562.80	am	(P-11388;E-11676) (A-20356)
562.90	am	(P-11388;E-11676) (A-20356)
567.20	am	(P-10403/92; A-149) (P-11392;E-11696) (A-20375)
567.30	am	(P-10403/92; A-149) (P-11392;E-11696) (A-20375)
567.100	am	(P-10403/92; A-149) (P-11392;E-11696) (A-20375)
572.20	am	(P-11402;E-11770) (A-20438)
572.30	n	(P-11402;E-11770) (A-20438)
572.50	am	(P-11402;E-11770) (A-20438)
572.60	r,n	(P-11402;E-11770) (A-20438)
572.70	am	(P-11402;E-11770) (A-20438)
572.80	am	(P-11402;E-11770)_ (A-20438)
572.90	am	(P-11402;E-11770) (A-20438)
572.100	am	(P-11402;E-11770) (A-20438)
572.110	n	(P-11402;E-11770) (A-20438)
587.10	r	(P-11406;E-11784) (A-20450)
587.20	r	(P-11406;E-11784) (A-20450)
587.30	r	(P-11406;E-11784) (A-20450)
587.40	r	(P-11406;E-11784) (A-20450)
587.50	r	(P-11406;E-11784) (A-20450)
587.60	r	(P-11406;E-11784) (A-20450)
587.70	r	(P-11406;E-11784) (A-20450)
587.105	r	(P-11406;E-11784) (A-20450)
587.106	r	(P-11406;E-11784) (A-20450)
587.107	r	(P-11406;E-11784) (A-20450)
587.110	r	(P-11406;E-11784) (A-20450)
587.111	r	(P-11406;E-11784) (A-20450)
587.120	r	(P-11406;E-11784) (A-20450)
587.130	r	(P-11406;E-11784) (A-20450)
587.200	r	(P-11406;E-11784) (A-20450)
587.300	r	(P-11406;E-11784) (A-20450)
587.400	r	(P-11406;E-11784) (A-20450)
587.410	r	(P-11406;E-11784) (A-20450)
587.420	r	(P-11406;E-11784) (A-20450)
587.430	r	(P-11406;E-11784) (A-20450)
587.440	r	(P-11406;E-11784) (A-20450)
587.450	r	(P-11406;E-11784)_ (A-20450)
587.500	r	(P-11406;E-11784) (A-20450)
587.510	r	(P-11406;E-11784) (A-20450)

587.600	r	(P-11406;E-11784) (A-20450)
587.610	n	(P-952; W-3686)
590.10	n	(P-11416;E-11812) (A-20461)
590.20	n	(P-11416;E-11812) (A-20461)
590.30	n	(P-11416;E-11812) A-20461)
590.35	n	(P-11416;E-11812) (A-20461)
590.40	n	(P-11416;E-11812) (A-20461)
590.50	n	(P-11416;E-11812) (A-20461)
590.60	n	(P-11416;E-11812) (A-20461)
590.70	n	(P-11416;E-11812) (A-20461)
590.80	n	(P-11416;E-11812) (A-20461)
590.90	n	(P-11416;E-11812) (A-20461)
590.100	n	(P-11416;E-11812) (A-20461)
590.110	n	(P-11416;E-11812) (A-20461)
590.120	n	(P-11416;E-11812) (A-20461)
590.130	n	(P-11416;E-11812) (A-20461)
590.140	n	(P-11416;E-11812) (A-20461)
590.150	n	(P-11416;E-11812) (A-20461)
590.160	n	(P-11416;E-11812) (A-20461)
590.170	n	(P-11416;E-11812) (A-20461)
590.180	n	(P-11416;E-11812) (A-20461)
590.190	n	(P-11416;E-11812) (A-20461)
590.200	n	(P-11416;E-11812) (A-20461)
590.210	n	(P-11416;E-11812) (A-20461)
590.220	n	(P-11416;E-11812) (A-20461)
590.230	n	(P-11416;E-11812) (A-20461)
590.240	n	(P-11416;E-11812) (A-20461)
590.250	n	(P-11416;E-11812) (A-20461)
590.260	n	(P-11416;E-11812) (A-20461)
590.270	n	(P-11416;E-11812) (A-20461)
590.280	n	(P-11416;E-11812) (A-20461)
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590.300	n	(P-11416;E-11812) (A-20461)
590.310	n	(P-11416;E-11812) (A-20461)
590.320	n	(P-11416;E-11812) (A-20461)
590.330	n	(P-11416;E-11812) (A-20461)
590.340	n	(P-11416;E-11812) (A-20461)
590.350	n	(P-11416;E-11812) (A-20461)
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590.410	n	(P-11416;E-11812) (A-20461)
590.420	n	(P-11416;E-11812) (A-20461)
590.430	n	(P-11416;E-11812) (A-20461)
590.440	n	(P-11416;E-11812)

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590.680	n	(P-11416;E-11812)

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590.720	n	(P-11416;E-11812)
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590.730	n	(P-11416;E-11812)
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590.740	n	(P-11416;E-11812)
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590.750	n	(P-11416;E-11812)
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592.20	r	(P-11422) (E-11864)
592.30	r	(P-11422) (E-11864)
592.40	r	(P-11422) (E-11864)
592.45	r	(P-11422) (E-11864)
592.50	am	(P-1375; W-3687)
	r	(P-11422) (E-11864)
592.55	r	(P-11422) (E-11864)
592.60	r	(P-11422) (E-11864)
592.65	r	(P-11422) (E-11864)
592.70	r	(P-11422) (E-11864)
592.75	r	(P-11422) (E-11864)
592.80	am	(P-1375; W-3687)
	r	(P-11422) (E-11864)
592.85	r	(P-11422) (E-11864)
592.90	r	(P-11422) (E-11864)
597.10	r	(P-11420) (E-11856)
597.15	r	(P-11420) (E-11856)
597.20	r	(P-11420) (E-11856)
597.100	r	(P-11420) (E-11856)
597.150	r	(P-11420) (E-11856)
597.200	r	(P-11420) (E-11856)
597.300	r	(P-11420) (E-11856)
597.310	r	(P-11420) (E-11856)
597.320	r	(P-11420) (E-11856)
597.330	r	(P-11420) (E-11856)
597.400	r	(P-11420) (E-11856)
597.410	r	(P-11420) (E-11856)
602.10	r	(P-11404;E-11780)
		(A-20448)
602.20	r	(P-11404;E-11780)
		(A-20448)
607.10	r	(P-11408;E-11796)
		(A-20453)
607.20	r	(P-11408;E-11796)

		(A-20453)
607.50	r	(P-11408;E-11796)
		(A-20453)
607.60	r	(P-11408;E-11796)
		(A-20453)
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		(A-20455)
612.20	r	(P-11410;E-11801)
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		(A-20366)
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617.80	am	(P-11390;E-11686)
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		(A-20457)
622.30	r	(P-11412;E-11804)
		(A-20457)
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		(A-20459)
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708.300	am	(P-9852; RC-17492)
		(E-10003)
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		(A-20419)
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827.30	am	(P-77; A-6260)
827.40	am	(P-77; A-6260)
830.50	am	(P-18759/92; A-6248)
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		(E-8052; W-8318)
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TITLE 92

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1060.240	re	(A-20006)
1060.250	re	(A-20006)
1060.260	re	(A-20006)
1070.100	am	(P-2863; A-8517)
1236.10	n	(P-9167)
1360.40	am	(P-1685; A-18466)
1375.10	r	(P-8635)
1375.15	r	(P-8635)
1375.20	r	(P-8635)
1375.30	r	(P-8635)
1375.40	r	(P-8635)
1375.50	r	(P-8635)
1375.60	r	(P-8635)
1375.70	r	(P-8635)
1375.80	r	(P-8635)
1375.85	r	(P-8635)
1375.1000	r	(P-8635)
1375.1010	r	(P-8635)
1375.1020	r	(P-8635)
1375.1030	r	(P-8635)
1375.1040	r	(P-8635)
1375.1050	r	(P-8635)
1375.1060	r	(P-8635)
1375.1070	r	(P-8635)
1375.1080	r	(P-8635)
1375.1090	r	(P-8635)
1375.1100	r	(P-8635)
1375.1110	r	(P-8635)
1375.1120	r	(P-8635)
1375.1130	r	(P-8635)
1375.1140	r	(P-8635)
1375.1150	r	(P-8635)
1375.1160	r	(P-8635)
1375.1170	r	(P-8635)
1375.2010	r	(P-8635)
1375.2020	r	(P-8635)
1375.2030	r	(P-8635)
1375.2040	r	(P-8635)
1375.2050	r	(P-8635)
1375.2060	r	(P-8635)
1375.2070	r	(P-8635)
1375.2080	r	(P-8635)
1375.3010	r	(P-8635)
1375.3020	r	(P-8635)
1375.3030	r	(P-8635)
1375.4010	r	(P-8635)
1375.5010	r	(P-8635)
1375.6010	r	(P-8635)
1375.6020	r	(P-8635)
1375.6030	r	(P-8635)
1375.7010	r	(P-8635)

1375.7020	r	(P-8635)
1375.7030	r	(P-8635)
1375.7040	r	(P-8635)
1375.7050	r	(P-8635)
1375.7060	r	(P-8635)
1375.7070	r	(P-8635)
1375.7080	r	(P-8635)
1375.7090	r	(P-8635)
1375.7100	r	(P-8635)
1375.7110	r	(P-8635)
1375.7120	r	(P-8635)
1375.7130	r	(P-8635)
1375.7140	r	(P-8635)
1375.7150	r	(P-8635)
1375.7160	r	(P-8635)
1375.7170	r	(P-8635)
1375.7175	r	(P-8635)
1375.7180	r	(P-8635)
1375.7190	r	(P-8635)
1375.7200	r	(P-8635)
1375.7210	r	(P-8635)
1375.7220	r	(P-8635)
1375.7230	r	(P-8635)
1375.7240	r	(P-8635)
1375.7250	r	(P-8635)
1375.7260	r	(P-8635)
1375.8100	r	(P-8635)
1375.8110	r	(P-8635)
1375.8120	r	(P-8635)
1375.8130	r	(P-8635)
1375.8140	r	(P-8635)
1376.10	n	(P-8630)
1376.20	n	(P-8630)
1376.30	n	(P-8630)
1376.40	n	(P-8630)
1425.10	am	(P-18715)
1425.20	am	(P-18715)
1425.30	am	(P-18715)
1425.40	am	(P-18715)
2520.26	r	(P-566; A-8536)
2520.105	n	(P-542; A-8539)
2520.105	r	(P-566; A-8536)
2520.110	n	(P-542; A-8539)
2520.110	r	(P-566; A-8536)
2520.200	n	(P-542; A-8539)
2520.200	r	(P-566; A-8536)
2520.201	n	(P-542; A-8539)
2520.201	r	(P-566; A-8536)
2520.202	n	(P-542; A-8539)
2520.202	r	(P-566; A-8536)
2520.203	n	(P-542; A-8539)
2520.203	r	(P-566; A-8536)
2520.204	n	(P-542; A-8539)
2520.204	r	(P-566; A-8536)
2520.205	n	(P-542; A-8539)
2520.205	r	(P-566; A-8536)
2520.206	n	(P-542; A-8539)
2520.206	r	(P-566; A-8536)
2520.207	n	(P-542; A-8539)
2520.207	r	(P-566; A-8536)
2520.208	n	(P-542; A-8539)
2520.208	r	(P-566; A-8536)
2520.209	n	(P-542; A-8539)
2520.209	r	(P-566; A-8536)
2520.210	n	(P-542; A-8539)
2520.210	r	(P-566; A-8536)
2520.211	n	(P-542; A-8539)
2520.211	r	(P-566; A-8536)
2520.212	n	(P-542; A-8539)
2520.212	r	(P-566; A-8536)
2520.213	n	(P-542; A-8539)
2520.213	r	(P-566; A-8536)
2520.214	n	(P-542; A-8539)
2520.214	r	(P-566; A-8536)
2520.215	n	(P-542; A-8539)
2520.215	r	(P-566; A-8536)
2520.216	n	(P-542; A-8539)
2520.216	r	(P-566; A-8536)
2520.217	n	(P-542; A-8539)
2520.217	r	(P-566; A-8536)
2520.218	n	(P-542; A-8539)
2520.218	r	(P-566; A-8536)
2520.219	n	(P-542; A-8539)
2520.219	r	(P-566; A-8536)
2520.220	n	(P-542; A-8539)
2520.220	r	(P-566; A-8536)
2520.221	n	(P-542; A-8539)
2520.221	r	(P-566; A-8536)
2520.222	n	(P-542; A-8539)
2520.222	r	(P-566; A-8536)
2520.223	n	(P-542; A-8539)
2520.223	r	(P-566; A-8536)
2520.224	n	(P-542; A-8539)
2520.224	r	(P-566; A-8536)
2520.225	n	(P-542; A-8539)
2520.225	r	(P-566; A-8536)

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2520.226	n	(P-542; A-8539)
2520.300	n	(P-542; A-8539)
2520.300	r	(P-566; A-8536)
2520.301	n	(P-542; A-8539)
2520.301	r	(P-566; A-8536)
2520.302	n	(P-542; A-8539)
2520.302	r	(P-566; A-8536)
2520.303	n	(P-542; A-8539)
2520.303	r	(P-566; A-8536)
2520.304	n	(P-542; A-8539)
2520.304	r	(P-566; A-8536)
2520.305	n	(P-542; A-8539)
2520.305	r	(P-566; A-8536)
2520.400	n	(P-542; A-8539)
2520.400	r	(P-566; A-8536)
2520.401	n	(P-542; A-8539)
2520.401	r	(P-566; A-8536)
2520.402	n	(P-542; A-8539)
2520.402	r	(P-566; A-8536)
2520.403	n	(P-542; A-8539)
2520.403	r	(P-566; A-8536)
2520.404	r	(P-566; A-8536)
2520.404	n	(P-542; A-8539)
2520.405	r	(P-566; A-8536)
2520.405	n	(P-542; A-8539)
2520.406	n	(P-542; A-8539)
2520.500	n	(P-542; A-8539)
2520.501	r	(P-566; A-8536)
2520.501	n	(P-542; A-8539)
2520.502	n	(P-542; A-8539)
2520.503	n	(P-542; A-8539)
2520.504	n	(P-542; A-8539)
2520.600	r	(P-566; A-8536)
2520.600	n	(P-542; A-8539)
2520.601	r	(P-566; A-8536)
2520.602	r	(P-566; A-8536)
2520.603	r	(P-566; A-8536)
2520.604	r	(P-566; A-8536)